Remedial Action Progress Report 6 February 1, 2010 through April 30, 2010 for

Ventron/Velsicol Superfund Site Operable Unit 1 Wood-Ridge and Carlstadt, New Jersey

(USEPA No. NJD980529879)

May 20, 2010

Prepared for:

Rohm and Haas Chemicals, LLC

Prepared by:

PARSONS



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Section 1 – Introduction

This progress report for the Ventron/Velsicol Superfund Site Operable Unit One (OU-1), referred to as the Site, located in the Boroughs of Wood-Ridge and Carlstadt, New Jersey summarizes the status of remedial actions being performed as described in the: Undeveloped Area Remedial Action Workplan (RAW), approved by the New Jersey Department of Environmental Protection (NJDEP) on July 3, 2008; and the Developed Area RAW, approved by the United States Environmental Protection Agency (USEPA) on October 6, 2009. This progress report covers the period from February 1, 2010 to April 30, 2010. The progress report is being submitted pursuant to the Administrative Consent Order (ACO) between Morton International, Inc. and the NJDEP as well as the quarterly progress reporting requirements of both RAW's. This report has been prepared in accordance with New Jersey Administrative Code (N.J.A.C.) Section 7:26E-6.6(b).

The components of the remedial action presented in the Undeveloped Area RAW are as follows:

- Excavation of soils with concentrations of mercury greater than 620 mg/kg in the undeveloped portion of the Site;
- Excavation of the former drain line:
- Excavation of Ventron/Velsicol site-related constituents from the Lin-Mor property;
- Excavation of the 55-foot buffer area:
- Wolf Warehouse air monitoring; and
- Deed notices for Custodial Trust, Prince Packing, and Blum properties.

The components of the remedial action presented in the Developed area RAW are as follows:

- Excavation of soils with concentrations of mercury greater than 620 mg/kg in the developed portion of the Site;
- Improvements to the West Ditch;
- Installation of a vertical hydraulic barrier wall around the Wolf Warehouse:
- Installation of site caps on the developed and undeveloped areas;
- Installation of storm water controls in the developed and undeveloped areas;
- Monitoring of ground water at the Site:
- Contaminant flux monitoring between the Site and the adjoining water ways; and
- Deed notices for the Wolf Warehouse, U.S. Life Warehouse, Norfolk Southern property, Ethel Boulevard, and the EJB property.

The progress report is organized as follows:

- Section 1 Introduction;
- Section 2 Remedial Actions Summary;
- Section 3 Permitting Application Status;
- Section 4 Sampling Results and Waste Generated; and
- Section 5 Cost Summary.

Section 2 – Remedial Actions Summary

2.1 Remedial Actions Status

This section summarizes the status of remedial actions at the Site for the reporting period. **Table** 1, attached, provides a summary of remedial actions and the status of each. Remedial actions performed during this period include:

Remobilization Activities

- o Perimeter Air Monitoring:
 - The perimeter air monitoring system was re-mobilized and began operating March 22, 2010. The system was operational during intrusive activities.
- o CWTP:
 - The CWTP was re-started the week of April 12, 2010 and was operated as needed.

Undeveloped Area Activities

- Excavation of soils with concentrations of mercury greater than 620 mg/kg in the undeveloped portion of the Site:
 - o Excavation of Soil:
 - Excavation was completed in the portions of Area I near Wolf Warehouse which were not previously excavated. This includes cells I-1A, I-1B, I-2B, I-3A, I-3B, I-8A, I-8B, I-13A, I-13B, and 1-23B as well as portions of I-2A, I-9 and I-23A.
 - Excavated soil was transported to the soil stockpile pad until the beginning of soil disposal activities described below in Section 2.3.
 - o Backfilling
 - Backfilling of Area I was completed.
- Excavation of the former drain line:
 - Sections of the former drain line as well as a manhole or chamber structure were encountered in Area I. Approximately six drain line segments as well as the structure were removed from Area I-13. These items were taken to the soil stockpile pad, pressure washed, crushed, and used as backfill in the undeveloped area.

• Developed Area Activities

- Excavation of soils with concentrations of mercury greater than 620 mg/kg in the developed portion of the Site:
 - o Sheet Piling:

- Sheet piling began in Area D. Approximately 10 percent of sheet piling was complete by the end of this reporting period.
- o Excavation of Soil:
 - Excavation was completed in Area C.
- O Utility relocation activities were performed this period, including: termination of the gas main in Ethel Boulevard outside of the Area D excavation limits; termination of the sewer service outside of the Area D excavation limits; removal of electrical transformers and service from the east side of the Wolf Warehouse; and installation of a utility pole and other equipment as part of the pending Ethel Boulevard electric service relocation to both the Wolf and Reddy Raw warehouses.
- Improvements to the West Ditch:
 - o Sheet piling began in the West Ditch as part of the tide gate installation.
 - A temporary by-pass pumping system was installed to remove water from between the US Life Warehouse and Wolf Warehouse during construction.

2.2 Deviations and Modifications

During this period, no deviations from or modifications to the Undeveloped Area RAW or Developed Area RAW occurred.

2.3 Remedial Actions to be Performed Next Period

The following remedial actions from the Developed Area RAW are scheduled to be performed during the next reporting period (May 1, 2010 through July 31, 2010):

Undeveloped Area Activities

- o Excavation of the 55-foot buffer area:
 - Portions of the 55-foot buffer adjacent to the West Ditch will be excavated, backfilled, and restored.

Developed Area Activities

- Excavation of soils with concentrations of mercury greater than 620 mg/kg in the developed portion of the Site:
 - Utility Relocation:
 - Utility relocation in Area D will be completed.
 - Sheet Piling:
 - Sheet piling in Area D will be completed.
 - o Excavation of Soil:
 - Excavation of Area D will begin.

- Backfilling of Area D will begin in cells where excavation is completed.
- o Perimeter Air Monitoring:
 - Perimeter Air Monitoring will continue.
- o CWTP:
 - Operation of the CWTP will be ongoing as needed.
- o Soil Disposal:
 - Load out of excavated soils from Area D and Area I will begin.
- Improvements to the West Ditch;
 - o Installation of the tide gate in the West Ditch will be completed.
 - o Excavation and backfilling activities in the West Ditch will be performed.
- Installation of a vertical hydraulic barrier wall around the Wolf Warehouse;
 - o Installation of the vertical hydraulic barrier wall will begin.

2.4 Problems or Delays

The relocation of the electrical poles along Ethel Boulevard by PSEG was delayed several times. These poles are presently scheduled to be relocated the week of 5/10/2010. There were no other problems or delays during this reporting period.

2.5 Schedule of Remedial Activities

A schedule of construction activities is included in Attachment 1.

Section 3 – Permit Application Status

The following permits were submitted this period:

- Amended Land Use Regulation Program (LURP) Equivalency Permit and Mitigation Plan for Freshwater Permit No. 4 Equivalency, Coastal General Permit No. 15 Equivalency, Flood Hazard Area Individual Permit Equivalency, and Water Quality Certificate;
- Amendment to the New Jersey Meadowlands Commission Site Remediation Zoning Certificate:
- Updated Stormwater Pollution Prevention Plan (SWPPP).; and
- Electrical permit for work on Wolf Warehouse.

The permit application status for the project is presented in **Table 2**.

Section 4 – Sampling Results and Waste Generated

4.1 Sampling Results

This section summarizes sampling results obtained during the reporting period. Sampling was performed as part of the following programs:

- Construction Water Treatment Plant (CWTP) compliance testing; and
- Analytical testing and/or virgin source certifications for backfill materials.

Testing of treated water from the CWTP was performed in accordance with permit number SRP PI G000004547 dated February 9, 2009. This testing is required by the NJDEP on a weekly basis when the plant is discharging effluent. Additionally, testing is required before water can be discharged for the first time from a given excavation area. Testing results are included in **Attachment 2**.

Clean fill analysis and/or virgin source certifications for construction materials are attached for materials including:

- Separation Layer material for use in the soil cap in the undeveloped area:
- Dense Grade Aggregate (DGA);
- Drainage Stone (#57 stone);
- New Jersey Department of Transportation (NJDOT) I-4 Soil Aggregate;
- NJDOT I-3 Soil Aggregate; and
- Rip-rap (D50 = 15" and D50 = 6")

Virgin source certifications and the results of clean fill analysis are included in Attachment 3.

4.2 Waste Generated

This section discusses impacted media removed as part of the Undeveloped Area RAW and Developed Area RAW remedial actions at the Site. No waste was generated this period.

Section 5 – Cost Summary

This section presents a cost summary of the remedial action to date and provides a cost estimate of remaining work. To date approximately \$23,218,000 has been spent performing remedial action activities related to the Developed and Undeveloped Area RAWs at the Site. It was estimated that approximately \$14,904,700 would be required to complete this phase of the work as described in the ACO.

Tables

Table 1 - Remedial Actions between February 1, 2010 and April 30, 2010 Ventron/Velsicol Superfund Site Operable Unit 1 Wood-Ridge and Carlstadt, New Jersey

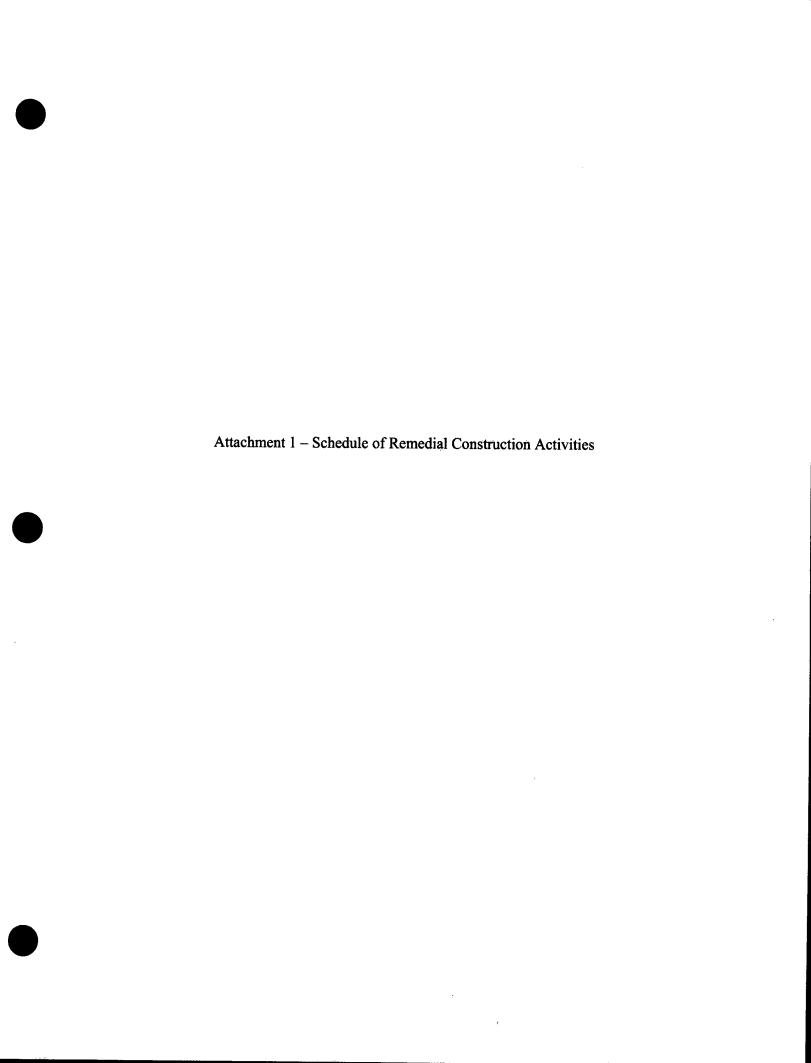
Remedial Action ¹	Description	Scheduled this Reporting Period?	Status	Comments			
Removal of Soil with Mercury Concentration Greater than 620 mg/kg	Construction water treatment plant		the CWTP was sly. Operation of the ongoing.	The CWTP was restarted the week of 4/12/2010 and will be operated as needed.			
	Installation of perimeter air monitoring equipment	monitoring syste	the perimeter air m was completed nitoring is ongoing.	The perimeter air monitoring system was re-mobilized and bega operating March 22, 2010. The system was operational during intrusive activities.			
	Excavation in Area I	Yes	Completed	Excavation was completed in the portions of Area I near Wolf Warehouse which were not previously excavated. This includes cells I-1A, I-1B, I-2B, I-3A, I-3B, I-8A, I-8B, I-13A, I-13B, and 1-23B as well as portions of I-2A, I-9 and I-23A.			
	Excavation of Area C	Yes	Completed	Excavation has been compeleted in Area C			
	Backfilling in Area I	Yes	Completed	Backfilling of Area I was completed.			
	Backfilling in Area C	Yes	Completed	Backfilling of Area C was completed			
Excavation of Former Drain Line	Excavation of the former drainline area	Yes	Ongoing	Sections for the former drain line as well as a manhole were encountered in Area I. Approximately six drain line segments as well as the manhole were removed from Area I-13. These items were removed from the excavation, pressure washed on the soil stockpile pad, crushed, and used as backfill in completed portions of Area I.			
Improvements to the West Ditch	Tide Gate Installation	Yes	Ongoing	Installation of sheet piling in the West Ditch began as part of the tide gate installation.			

Notes:

¹⁾ A number of remedial actions completed during the Undeveloped Area RAW Construction have been removed from this table. Refer to Table 1 of Progress Report 5 for a summary of completed Undeveloped Area RAW Construction actions.

Table 2 - Permit Applications Status as of April 30, 2010 Ventron/Velsicol Superfund Site Operable Unit 1 Wood-Ridge and Carlstadt, New Jersey

Permit	Issuing Authority	Holder	Date Submitted	Status
Land Use Regulation Program (LURP) Coastal General Permit 15 Equivalency	NJDEP	Morton International	19-Dec-08	Comments were issued by the NJDEP and addressed by Parsons. Application was resubmitted on January 29, 2009 and is currently being reviewed by NJDEP. Permit equivalency was issued with conditions by the NJDEP on May 13, 2009.
Amended LURP Equivalency Permit and Mitigation Plan for Freshwater Permit No. 4 Equivalency, Coastal General Permit No. 15 Equivalency, Flood Hazard Area Individual Permit Equivalency, and Water Quality Certificate	NJDEP	Morton International	5-Mar-10	An ammended LURP submission, including a sitewide mitigation plan, was submitted March:5, 2010 and is currently being reviewed by the NJDEP.
Zoning Certificate Equivalency	NJWC	Morton International	19-Dec-08	Comments were issued by NJ Meadowlands Commission on March 11, 2009 and addressed by Parsons. Permit was approved by the NJMC on July 31, 2009.
Zoning Certificate Equivalency	NJMC	Morton International	5-Feb-10	An updated NJMC zoning certificate was submitted February 5, 2010. A conditional approval was granted by the NJMC dated March 25, 2010. A response to comments was sent to the NJMC on April 13, 2010.
Discharge to Groundwater Equivalency Permit	NJDEP	Morton International	19-Dec:08	Permit was granted by NJDEP on February 9, 2009.
Construction Permit	Wood-Ridge	Bigler Associates	26-Jan-09	Permit was granted by Wood-Ridge on January 26, 2009.
Building Permit	Wood-Ridge	Bigler Associates	26-Jan-09	Permit was granted by Wood-Ridge on January 26, 2009.
Electrical permit	Wood-Ridge	Bigler Associates	26-Jan-09	Permit was granted by Wood-Ridge on January 26, 2009.
Electrical:permit (Wolf Warehouse)	Wood-Ridge	Parsons	15-Apr-10	Permit was granted by Wood-Ridge on April 15, 2010 to perform temporary electrical service relocation at the Wolf Warehouse.
Stormwater Pollution Prevention Plan	Bergen County	Parsons	6-Feb-09	Originally approved November 30, 2007. Revised permit submitted in January 2009 and approval received on February 26, 2009. Revisions to the 55-foot buffer decreasing the ammount of rip-rap were approved by Bergen County on October 5, 2009.
Stormwater Pollution Prevention Plan (SWPPP)	Bergen County	Parsons	20-Feb-10	Updated SWPPP drawings were submitted February 20, 2010. Drawings were resubmitted April 26, 2010 which were revised to include comments. Bergen County is currently reviewing the revised SWPPP submission.
Temporary Trailer Permit	Wood-Ridge	Parsons	-	Permit was approved by Wood-Ridge on November 11, 2007 and trailers are on site.
Electrical permit	Wood-Ridge	Parsons	-	Permit was approved by Wood-Ridge on November 13, 2007.
Notice of Proposed Construction of Alteration Form 7460-1	Federal Aviation Administration	Morton International		Determination permitting activity was issued by FAA on April 23, 2009.



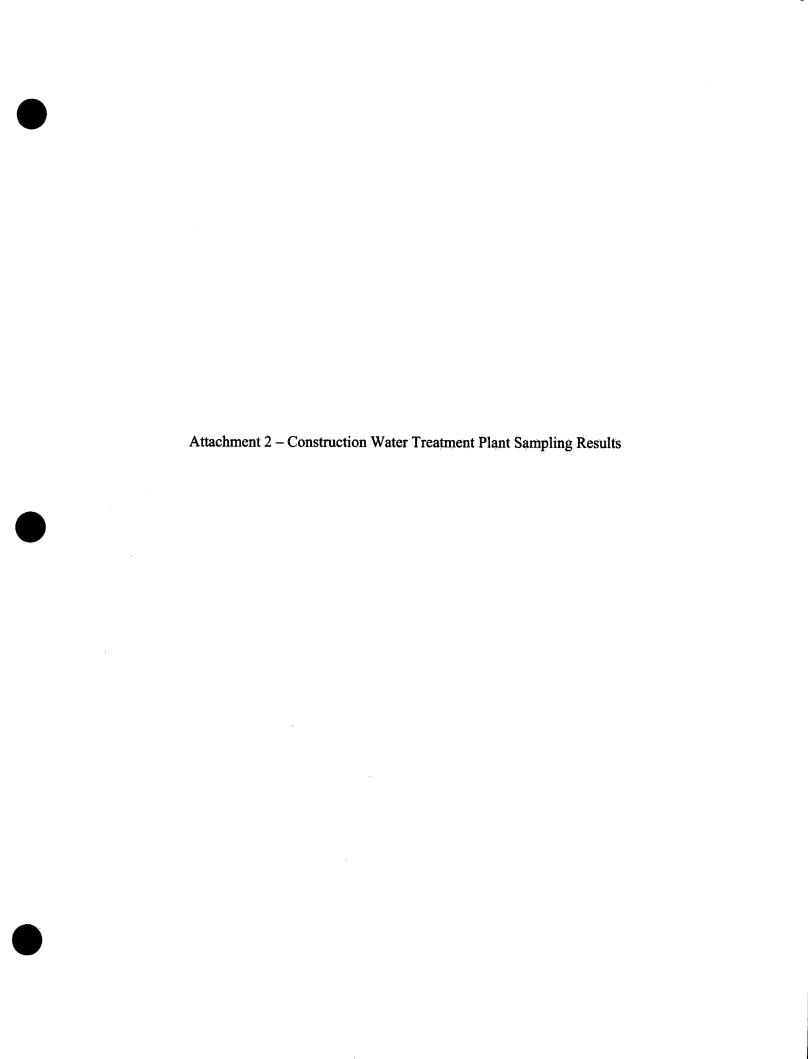
Schedule of Remedial Construction Activities Ventron/Velsicol Superfund Site Operable Unit 1 Wood-Ridge and Carlstardt, New Jersey

D	0	Task Name	Duration	Start	Finish		20	09										201	0				_
						D	J	F	М	AI	м	JI.	J A	S	To	N	D	1	FI	va La	M	IJ	Τ.
		Undeveloped Area Construction	327 days	Wed 4/1/09	Thu 7/1/10						-				1 3	1				** 1 *			j
		Developed Area Mobilization	5 days	Mon 3/15/10	Fri 3/19/10														•	3/	15		
		Area D Excavation	34 days	Fri 5/21/10	Wed 7/7/10	***************************************											mi marije sa jamen da sa j						
		Soil Disposal and Stockpile Management	328 days	Wed 4/1/09	Fri 7/2/10				[, i — u _j :	1	2.5	1. 74 f			€. j	******	د ^{ال} حرب	September 1	i vi		· ; ;	
		55-foot Buffer Excavation/Restoration (West Ditch)	39 days	Mon 5/10/10	Thu 7/1/10												271.271				griffiji amm]
		West Ditch Excavation	23 days	Tue 6/1/10	Thu 7/1/10																Dipole Care Carrenavas		
		Barrier Wall Installation	48 days	Mon 5/24/10	Wed 7/28/10																Ampennaman an		-
		Developed Area Cap	22 days	Tue 7/27/10	Wed 8/25/10																		
		Undeveloped Area Cap	48 days	Fri 6/11/10	Tue 8/17/10	***************************************															***************************************	£,	1,2
	III	Site Restoration/Demobilization	8 days	Wed:8/18/10	Fri 8/27/10																-		

Task		Milestone	•	External Tasks	
Split	ининининининининини	Summary		External Milestone	♦
Progress		Project Summary		Deadline	华

Page 1

Updated: 5/19/2010



igler Associates, Inc.

April 23, 2010

Chris Greene, P.E., Project Manager PARSONS 150 Federal Street 4th Floor Boston, MA 02110

Re: Ventron Velsicol Superfund Site – Construction Water Treatment Plant CWTP Effluent Test Results from Testing of Water from Area I Effluent Sample Collected on April 12, 2010

Dear Chris:

Attached please find the laboratory data from Test America for the Construction Water Treatment Plant (CWTP) effluent sample collected on April 12, 2010. The CWTP was operated treating approximately 68,817 gallons of water from Area I work and soil stockpile runoff during the week ending April 17, 2009.

Sample Collection and Data Summary

Effluent results are presented below and copies of the data sheets and chain of custody forms are attached. Test results confirm compliance with the discharge permit-by-rule effluent limits.

Summary of CWTP Effluent Data

	uninary o	CALLETIN	aciil Dala	
Parameter	4/12/10 Result, ug/l	Test America RL – ug/L	Weekly Average ug/l	NJDEP Permit Limit ug/l
Arsenic	<2.5	0.5	<2.5	3
Mercury	<0.20	0.20	<0.20	2
Thallium	<1.0	0.20	<1.0	2
Iron	313	0.10	313	1,000
Manganese	228	5.0	228	1,000
TSS	<5,000	5,000	<5,000	5.000
Benzene	<1.0	0.2	<1.0	1

Weekly average values: When the reported value is greater than the MDL but less than the RL, a value of 50% of the RL will be used to calculate the average value. When the reported value is less than the MDL, a value of 50% of the MDL will be used to calculate the average value. NS = not sampled.

All Testing performed by Test America

Please contact me with any questions.

Sincerely,

BIGLER ASSOCIATES, INC.

Daniel Bigler

C: J. Fettig, T. Schoenberg, D. Alesandro, L. Frey



THE LEADER IN ENVIRONMENTAL TESTING
SUMMARY OF ANALYTICAL RESULTS
TestAmerica Edison - 460-12151-1

Sample ID	PLANT EFFLUENT	
Lab Sample Number	460-12151-1	
Sampling Date 4/12/2010		_
Matrix	Water	
Dilution Factor	1	
Units	ug/L	_
	Low	
GC/MS VOA - 624		
Benzene	1.0	U
	o	
Total Estimated Conc. (TICs)		

SUMMARY OF ANALYTICAL RESULTS TestAmerica Edison - 460-12151-1

Sample ID	PLANT EFFLUENT
Lab Sample Number	460-12151-1
Sampling Date	4/12/2010 1:45:00 PM
Matrix	Water
Ollution Factor	1
Units	
	Low
General Chemistry	
Total Suspended Solids - mg/L	5.0

SUMMARY OF ANALYTICAL RESULTS TestAmerica Edison - 460-12151-1

Sample ID	PLANT EFFLUENT	
Lab Sample Number	480-12151-1	
Sampling Date	4/12/2010 1:45:00 PM	
Matrix	Water	
Dilution Factor	5	
Inits	ug/L	
	Total Recoverable Low	
Metals		
Arsenic	2.5	U
Manganese	228	
Thallium	1.0	Ü
iron	313	
Mercury	NR	

SUMMARY OF ANALYTICAL RESULTS TestAmerica Edison - 460-12151-1

QUALIFIERS

GC/MS VOA

U: Indicates the analyte was analyzed for but not detected.

General Chemistry

U: Indicates the analyte was analyzed for but not detected.

Metals

U: Indicates the analyte was analyzed for but not detected.

THE LEADER IN ENVIRONMENTAL TESTING
SUMMARY OF ANALYTICAL RESULTS
TestAmerica Edison - 460-12151-1

Sample ID	
Lab Sample Number	
Sampling Date	
Matrix	
Dilution Factor	
Units	
GC/MS VOA - 624	
Benzene	
Total Estimated Conc. (TICs)	

SUMMARY OF ANALYTICAL RESULTS

TestAmerica Edison - 460-12151-1

Sample ID	
Lab Sample Number	
Sampling Date	
Matrix	
Dilution Factor	
Units	
General Chemistry	
Total Suspended Solids - mg/L	

SUMMARY OF ANALYTICAL RESULTS TestAmerica Edison - 460-12151-1

Sample:ID	PLANT EFFLUENT	
Lab Sample Number	460-12151-1	-
Sampling Date	4/12/2010 1:45:00 PM	_
Matrix	Water	
Dilution Factor	1	_
Units	ug/L	_
	Low	_
Metals		_
Arsenic	NR	_
Manganese	NR	_
Thailium	NR	_
Iron	NR	_
Mercury	0.20	u

SUMMARY OF ANALYTICAL RESULTS TestAmerica Edison - 460-12151-1

QUALIFIERS

GC/MS VOA

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General Chemistry

U: Indicates the analyte was analyzed for but not di

Metals

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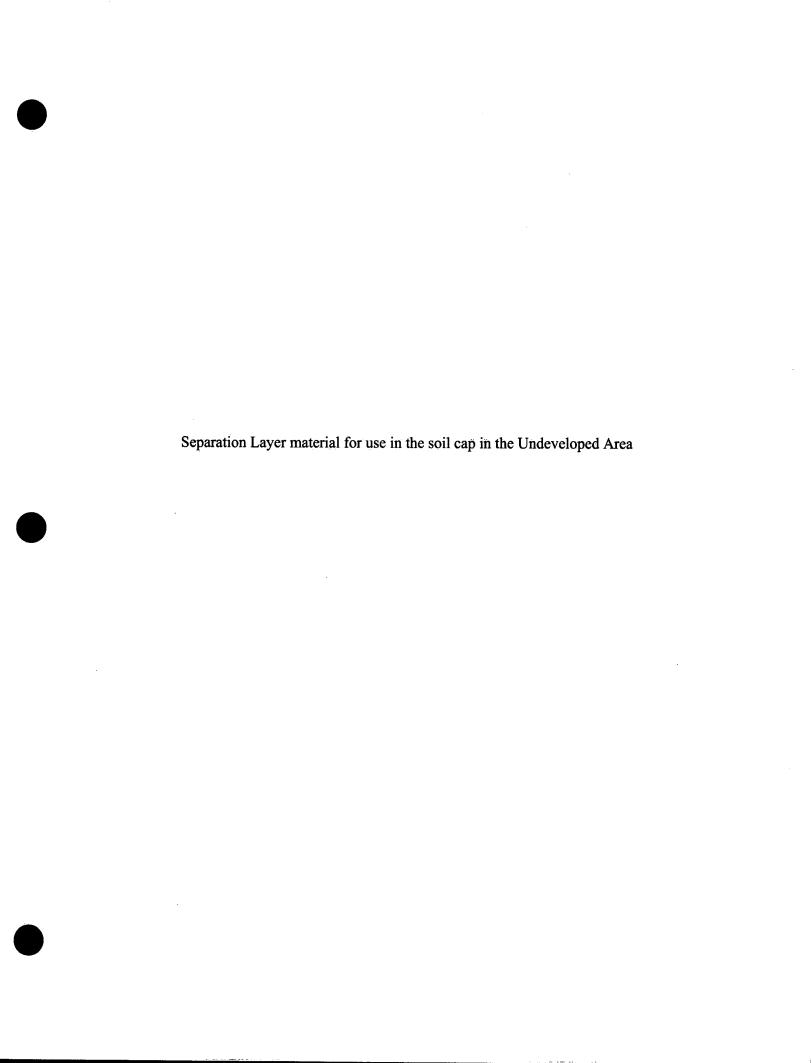
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Attachment 3 – Analytical Testing and Virgin Source Certifications for Backfill Materials



WASTE STREAM TECHNOLOGY, INC.

302 Grote Street Buffalo, NY 14207 (716) 876-5290

Analytical Data Report Report Date: 04/20/10 Work Order Number: 0D12004

Prepared For Rick Elia Jr.

Sevenson Environmental Services

2749 Lockport Road

Niagara Falls, NY 14302

Fax: (716) 285-4201

Site: Ventron-Velsicol 1027

Enclosed are the results of analyses for samples received by the laboratory on 04/12/10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian S. Schepart, Ph.D., Laboratory Director

B_S Selyer

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068 FLDOH #E87662





Project: Ventron-Velsicol

2749 Lockport Road

Project Number: Ventron-Velsicol 1027

Niagara Falls NY, 14302

Project Manager: Rick Elia Jr.

Reported: 04/20/10 15:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Maddox Clay	0D12004-01	Soil	04/09/10 14:30	04/12/10 09:45

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/20/10 15:21

Metals by EPA 6000/7000 Series Methods

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Maddox Clay (0D12004-01) Soil	Sampled: 04/09/10 14:30	Received: 04/12	2/10 09:45						
Silver	ND	0.50	mg/kg dry	i	AD01315	04/13/10	04/13/10	EPA 6010B	
Aluminom	4720	2,50		17	*		H	n	
Arsenic	15.0	1.70	u	**		**		u	
Barium	31.1	1.00		•			**	**	
Beryllium	0.64	0.50	*	**			'n	•	
Cadmium	ND	1.00	tt	*		•	**	•	
Cobalt	4.64	1.00		•			11		
Chromium	17.2	1.00	17	u	•				
Copper	14.7	1.00	•						
Mercury	0.024	0.012	**	**	AD01608	04/16/10	04/16/10	EPA 7471A	
Aanganese	82.0	1.00	H	•	AD01315	04/13/10	04/13/10	EPA 6010B	
lickel	7.94	1.00		4					
æad	15.5	4.10	•		**			ni .	
Intimony	ND	1.40	**		•	α			
elenium	ND	1.40						n	
hallium	ND	1.00	h	**	**		•	•	
anadi <u>y</u> m	31.0	1.00		**	**	n	9	•	
line	36.2	4.00	*	*	u				

Project: Ventron-Velsicol

2749 Lockport Road

Project Number: Ventron-Velsicol 1027

Niagara Falls NY, 14302

Project Manager: Rick Elia Jr.

Reported: 04/20/10 15:21

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Maddox Clay (0D12004-01) Soil	Sampled: 04/09/10 14:30	Received: 04/1	2/10 09:45						
alpha-BHC	ND	0.400	ug/kg dry	1	AD01305	04/13/10	04/15/10	8081A/8082	ι
Gamma-BHC (Lindane)	ND	0.400		*	•	*	•	H	ι
Beta-BHC	ND	0.400	**		11	**			t
Delta-BHC	ND	0.400	**	•		•	#		ι
Heptachlor	ND	0.400	*	R		•	71		Į
Aldrin	ИĎ	0.400		4	ų		*	#	ι
Heptachlor Epoxide	ND	0.400	n	ń	4		#	Ħ	t
4,4'-DDE	ND	0.400	ti			•	*		U
Endosulfan I	ND	0.400	Ħ	n		ю,		n	ι
Dieldrin	ND	0.400	19	•	*			•	τ
Endrin	ND	0.400	17				п	*	ι
4,4'-DDD	ND	0.400		•			•	÷	t
Endosulfan II	ND	0.400	*		Ħ	10	4		τ
4,4'-DDT	ND	0.400	**	ú	и	-10		4	u
Endrin Aldehyde	ND	0.400		**	a,				υ
Methoxychlor	ND	0.400	•	*	и		u	*	Ū
Endosulfan Sulfate	ND	0.400					n	n	Ü
Endrin Ketone	ND	0.400		11		a	u u	н	Ū
Chlordane	ND	6.70	•	**		•	**		Ü
Toxaphene	ND	8.30		**	#				Ü
Aroclor 1016	ND	3.30		tr	*	n		•	Ū
Aroclor 1221	ND	3.30	•		19	8		u	U
Aroclor 1232	ND	3.30	•				*	· tr	U
Aroclor 1242	ND	3.30	**			"	**	,	Ü
Aroclor 1248	ND	3.30	и.			*	**	**	U
Aroclor 1254	ND	3.30	•		n				U
Aroclor 1260	ND	3.30		•	u			**	U
Aroclor 1262	ND	3.30							Ü
Areclor 1268	ND	3.30	á	*			**	11	U
Surrogate: Tetrachloro-meta-xylene	<u> </u>	96.4 %	82-12	23		-			
Surrogate: Decachlorobiphenyl		91.9 %	56-13	1 2					

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/20/10 15:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Maddox Clay (0D12004-01) Soil	Sampled: 04/09/10 14:30	Received: 04/12	2/10 09:45						
dichlorodifluoromethane	ND	10	ug/kg dry	ī	AD01514	04/15/10	04/15/10	8260B	
chloromethane	ND	10			•	*	**		
vinyl chloride	ND	10		•		•	••		
bromomethane	ND	10	•	H		₩	*		
chloroethane	ND	10	**	11	**		•	•	
richlorofluoromethane	ND	10	*		•			•	
l, l-dichloroethene	ND	2		*	*		**	*	
acetone	ND	10		n	•	•		**	
carbon disulfide	9	2	•		•	•	я		
methylene chloride	13	2	•	н	**		•	11	
Methyl tert-butyl ether	· ND	2	•	4	*		71		
Acrylonitrile	ND	10	•		**	u	ń	u	
rans-1,2-dichloroethene	ND	2	•		**				
l, l-dichloroethane	ND	2	•		*	*	*		
2-butanone	ND	10		н	*		41		
eis-1,2-dichloroethene	ND	2	•						
chloroform	ND	2		**	#	*		•	
,1,1-trichloroethane	ND	2	•					u	
arbon tetrachloride	ND	2			÷		*		
enzene	ND	2	•				**	ė	,
,2-dichloroethane	ND	2		а			4		;
richioroethene	7	2		11					
,2-dichloropropane	ND	2				u	•		
romodichloromethane	ND	2		,				tı	
-Methyl-2-pentanone (MIBK)	ND	10	19	47	11				
is-1,3-dichloropropene	ND	2	n		*				
luene	8	2	,		**	p			
ans-1,3-dichloropropene	ND	2						a	
1,2-trichloroethane	ND	2			π		.,	 a	
trachloroethene	ND	2	•	a					!
ibromochloromethane	ND	2			#				1
2-dibromoethane	ND	2					**		
nlorobenzene	ND	2	·u	u	**		**		1
1,1,2-tetrachloroethane	ND	2			#		,,	*	
hylbenzene	ND	2			**		**	*	.1
,p-xylene	ND	4		н	,		n	er e	!
xylene	ND	2		*	•	n	•	*	
yrene	ND	2			**	tr .	11	**	1
omoform	ND	2		**			p.		1
rolein	ND	10		71					
1,2,2-tetrachloroethane	ND	2	•	,,		"		-	Ţ
ethyl Acetate	ND ND	10				"	*	π	1

Waste Stream Technology

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Project: Ventron-Velsicol

2749 Lockport Road

Project Number: Ventron-Velsicol 1027

Niagara Falls NY, 14302

Project Manager: Rick Elia Jr.

Reported: 04/20/10 15:21

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

Prepared	Analyzed	Method	Notes
			Notes
04/15/10	04/15/10	8260B	U
•		44	Ú
*	*		
	*	•	
ė	•		S-04
			S-04
	W N N	" " " "	* * * * * * * * * * * * * * * * * * *

Project: Ventron-Velsicol

2749 Lockport Road

Project Number: Ventron-Velsicol 1027

Niagara Falls NY, 14302

Project Manager: Rick Elia Jr.

Reported: 04/20/10 15:21

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Waste Stream Technology												
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes			
Maddox Clay (0D12004-01) Soil	Sampled: 04/09/10 14:30	Received: 04/12	2/10 09:45	-								
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AD01502	04/15/10	04/16/10	8270C	Ų			
bis(2-chloroethyl)ether	ND	67	**	•	•	Ħ	**		ί			
phenol	ŅD	130		•	**		**	•	ι			
2-chlorophenol	ND	130	u		*		*	•	ι			
1,3-dichlorobenzene	ND	67		11				•	ι			
1,4-dichlorobenzene	ND	67	π			•			ŧ			
1,2-dichlorobenzene	ND	67	"	ė		H	•	n	t			
benzyl alcohol	ND	67	*				•	*	U			
bis(2-chloroisopropyl)ether	ND	67	*		•		÷	a	υ			
2-methylphenol	ND	67		•		•	•		U			
hexachloroethane	ND	67			•	ù	n	u	U			
N-Nitrosodi-n-propylamine	ND	67			•			-#	U			
3 & 4-methylphenol	ND	130				a	*	*	U			
nitrobenzene	ND	67	•		•			•	U			
isophorone	ND	67		u	40		•		ΰ			
2-nitrophenol	ND	130			•		ıt		υ			
2,4-dimethylphenol	ND	130				#	н	н .	U			
Bis(2-chloroethoxy)methane	ND	67	•						U			
benzoic acid	ND	330		**				#	บ			
2,4-dichlorophenol	ND	130							U			
1,2,4-trichlorobenzene	ND	67	•	**					U			
naphthalene	ND	67	•	ii .	ń	11	**		ΰ			
4-chloroaniline	ND	67							บ			
hexachlorobutadiene	ND	67			*			ii	U			
4-chloro-3-methylphenol	ND	130			•		*	**	Į.			
2-methylnaphthalene	ND	67			**	u	tı	*	Ü			
nexachlorocyclopentadiene	ND	130				*	*	*	บ			
2,4,6-trichlorophenol	ND	130					,		Ü			
2,4,5-trichlorophenol	ND ND	67										
2-chloronaphthalene	ND	67							U			
2-nitroaniline	ND ND	67							บ บ			
cenaphthylene	ND ND	67		4								
Dimethyl phthalate	ND ND	67		*					ប			
2,6-dinitrotoluene	ND	67 67							Ú			
cenaphthene	ND		-	_	_	-	_	-	U			
-nitroaniline		67				-	-		ט			
4-dinitrophenol	ND ND	67		•			-	,,	U			
libenzofuran		130		*		-	-	**	U			
.4-dinitrotoluene	ND	67	,,	,,			-	4	Ü			
.,4-cunitrototuene -nitrophenol	ND	67	,,	"	•	-	_	-	U			
• • • • • • • • • • • • • • • • • • • •	ND	130					•	li .	υ			
Chlore hand should sto	ND	67	,	•	•		#	. •	U			
-Chlorophenyl phenyl ether	ND	67	•				*	tr	ប			

Waste Stream Technology

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/20/10 15:21

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Maddox Clay (0D12004-01) Soil	Sampled: 04/09/10 14:30	Received: 04/12	2/10 09:45					18	
Diethyl phthalate	ND	67	ug/kg dry	1	AD01502	04/15/10	04/16/10	8270C	
4-nitroaniline	ND	67	11	10	ü	*	19	11	
4,6-Dinitro-2-methylphenol	ND	130	n	**	*	#	•		
n-nitrosodiphenylamine	ND	67		n	**		*		
1-bromophenylphenylether	ND	67	•	"	•	•	*	u	
nexachlorobenzene	ND	67					*	ń	
pentachlorophenol	ND	130			•	•	#	97	
henanthrene	ND	67	н		**	'n		**	
anthracene	ND	67	#		**	•			
arbazole	ND	67		**	•	•	•		
Di-n-butyl phthalate	ND	67	11	**	u	**		u	
enzidine	ND	330	•	#	**	11	ņ		:
luoranthene	ND	67	**	u	•	n	#	4	
3.3'-Dichlorobenzidine	ND	67		п	**	11	π	n	
yrene	ND	67	,		w	**		**	
Butyl benzyl phthalate	ND	67		•	**	•	*	•	
Senzo (a) anthracene	ND	67	ari .	**	•	ú		· m	
hrysene	ND	67			*	**		*	
is(2-ethylhexyl)phthalate	ND	67		ut				÷n ·	
Di-n-octyl phthalate	ND	67				*		n	
Benzo (b) fluoranthene	ND	67	77	**			ď	17	
Benzo (k) fluoranthene	ND	67	*	•	•	•	**	#	
lenzo (a) pyrene	ND	67					er'		
ndeno (1,2,3-cd) pyrene	ND	67			*	•	1f	4	
oibenz (a,h) anthracene	ND	67	n	.				w	
enzo (g.h,i) perylene	ND	67					4	**	;
cetophenone	ND	67	•	•			4	**	1
aprolactam	ND	67	Ü	÷					
,l'-Biphenyl	ND	67		W	•			17	j
trazine	ND	67		11		•	u	#	1
enzaldehyde	ND	67	•	•			•	**	
2-Diphenylhydrazine	ND	67	•	*			÷.	n	
urrogate: 2-Fluorophenol		79.0 %	59-10	21					
urrogate: Phenol-d6		84.7 %	64-16	-		u	w		
urrogate: Nitrobenzene-d5		86.2 %	58-10		*	u			
urrogate: 2-Fluorobiphenyl		87.4 %	67-10	-	•		w		
arrogate: 2,4,6-Tribromophenol		99.2 %	63-10		•			u	
urrogatë: Terphenyl-d14		92.3 %	38-13	_	,,	*		,,	

Project: Ventron-Velsicol

2749 Lockport Road

Project Number: Ventron-Velsicol 1027

Niagara Falls NY, 14302

Project Manager: Rick Elia Jr.

Reported: 04/20/10 15:21

Conventional Chemistry Parameters by EPA Methods

		Reporting				*			
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Maddox Clay (0D12004-01) Soil	Sampled: 04/09/10 14:30	Received: 04/1	2/10 09:45		_				
Cyanide (total)	ND	0.50	mg/kg dry	1	AD02021	04/20/10	04/20/10	EPA 9014	
pH	3.49	0.10	pH Units	•	AD01619	04/16/10	04/16/10	EPA 9045C	
% Solids	77.1	0.1	%	*	AD01410	04/13/10	04/14/10	% calculation	

Sevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1027	Reported:
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	04/20/10 15:21

Notes and Definitions

U	Analyte included in the analysis, but not detected at or above the reporting limit.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
В	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NŖ	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CHAIN OF CUSTODY			OFFICE US	E ONLY	PAGEOF
REPORT TO SEVENSON	TECH	NOLOGY	GROUP#	OD12004	
SPACK PLACE E	Waste Stream	Technology Inc.	DUE DATE		ARE SPECIAL DETECTION LIMITS
WOOD-RIDGE, WT	(716) 876-5290 •	f, Buffalo, NY 14207 FAX (716) 876-2412		TURN AROUND TIME:	REQUIRED. YES NO
07075		DW ORINKING WATER GW GROUND WATER	St SLUDGE	5 DAY	If yes please attach requirements
CONTACT JAYKON STARK		SW SURFACE WATER	SO SOA. S SOLID	QUOTATION NUMBER:	Is a CIC Package required:
PH. + (20) 933-0019		O OIL	W WIPE OTHER		YES NO If yes please etach requirements.
FAX 1 (20) 933-1996		7 / / /	ANALYSES TO 8	BE PERFORMED	
BRITO: Seven/SON					/
PO! VENTEN 108 1027			.		7
1027		8 2			
PROJECT DESCRIPTION			1 1 1		f4
VERITADI DEVELOPER SAMPLER SIGNATURE	DATE SAMPLED TIME OF SAMPLING SAMPLE TYPE	N. Resident Containers	III		are see the see
Services Service Services (Services	LEW LEW STREET	[] [] [] [] [] [] [] [] [] []		14111	TYPE OF CONTAINER/ ONLY ONLY COMMENTS:
SAMPLE I.O.				1 + 1 - 1 - 1	WST I.O
1 MADDOX CLAY	4/4/10 14:30 50	400	_ _ _		2 Large 25 mill 1
3					AND AND THE RESIDENCE OF THE PROPERTY OF THE P
1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
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REMARKS:					·
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	2				
THE THE PARTY OF T	4/9/16	0 TIME: 14:45	RECEIVED BY	. (1	DATE: TIME: 45
RELINQUISHED BY	DATE	TIME:	RECEIVED BY:	4	DATE: TIME:
	/ /	1	1 V	V	

·				
			·	
			_	
	Dense Grade Aggregate (DC	JA), Drainage Stone (#5	7 stone), NJDOT I-4 S	oil Aggregate

TILCON-NY

Mt. Hope Quarry

Fax 973-659-3978

625 Mount Hope Rd. • Wharton, N.J. 07946 • 973-366-7741

I-4 (2.01 G)

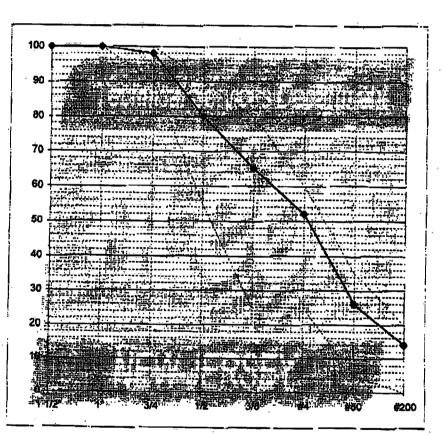
Typical Gradation,I-4 Soil Aggregate

Project						

	ntractor	•
Sevenso	n Environmer	ntal

		-
Sp. Gr	2.82	-
Loose	104	
Rodded	123	-

•	Typical	Prod.	Target
	% Pass	Low	High
1 1/2"	100	100	100
1"	100	100	100
3/4	98	90	100
1/2	80	65	90
3/8	65	25	80
#4	52	25	60
#50	26	5	35
#200	14.		20



Tilcon inc confirms that I-4 Soll Aggregate available at Mt. Hope Quarry conforms to section 901 of the New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction. The material is defined as virgin Gneiss mined at Mt. Hope Quarry, 625 Mount Hope Road, Block 20001-Lot 6.01 Wharton Borough, Morris County NJ. The material is identified on the job with Tilcon delivery tickets.

TILCON-NY

Mt. Hope Quarry

Fax 973-659-3978

625 Mount Hope Rd. • Wharton, N.J. 07946 • 973-366-7741

DRAINAGE STONE (2.01 H)

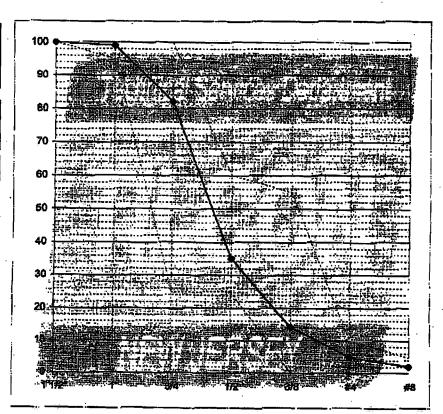
Typical Gradation,#57 (3/4" Clean)

 	Project		
		7	

Contractor	
Sevenson Environmental	

Sp. Gr	2.68
Loose	93,3
Rodded	103.3

	Typical	Prod.	Target
	% Pass	Low	High
1 1/2"	100	100	100
1"	99	95	100
3/4	82	25	100
1/2	35	. 25	60
3/8	14		55
#4	5		10
#8	2		5



Tilcon Inc confirms that #57 (3/4" Clean) available at Mt. Hope Quarry conforms to section 901 of the New Jersey Department of Transportation StandardSpecifications for Road and Bridge Construction. The material is defined as virgin Gneiss mined at Mt. Hope Quarry, 625 Mount Hope Road, Block 20001-Lot 6.01 Wharton Borough, Morris County NJ. The material is identified on the job with Tilcon delivery tickets.

TILCON-NY Pompton Lakes Quarry Fax 973-659-3978

BROAD STREET • POMPTON LAKES, N.J. • 973-366-7741

DGA (2.01 J)

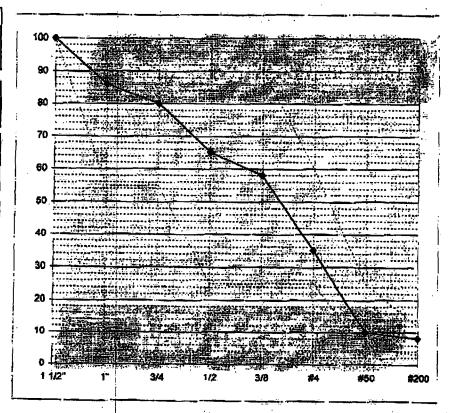
Typical Gradation DGA/I3 (Granite)

	P	roject	_	

Contractor
 Sevenson Environmental

Sp. Ğr	2.84
Loose	101
Rodded	120

	Typical	Prod.	Target
	% Pass	Low	High
1 1/2"	100	100	100
1"	86	55	100
3/4	80	65	90
1/2	66	25	90
3/8	58	25	90
#4	35	25	60
#50	10	5	25
#200	8	3	12



Tilcon-NJ confirms that the DGA/I3 (Granite) available at Pompton Lakes Quarry conforms to the quality requirements of section 901 of *The New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction*. It is defined as virgin Gneiss mined at Pompton Lakes Quarry, Broad Street, Blk 60-Lots 60.01-60.02 Borough of Pompton Lakes, Morris County. The material is identified on the job with Tilcon NJ delivery tickets.

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street Buffalo, NY 14207 (716) 876-5290

Analytical Data Report Report Date: 04/14/10 Work Order Number: 0D07011

Prepared For Rick Elia Jr.

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Fax: (716) 285-4201

Site: Ventron-Velsicol 1027

Enclosed are the results of analyses for samples received by the laboratory on 04/07/10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian S. Schepart, Ph.D., Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068 FLDOH #E87662





Sevenson Environmental Services Project: Ventron-Velsicol

2749 Lockport Road Project Number: Ventron-Velsicol 1027 Reported:
Niagara Falls NY, 14302 Project Manager: Rick Elia Jr. 04/14/10 15:12

and the second	ANALYTICAL REPORT FOR SAMPLES										
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received							
Tilcon I-4	0D07011-01	Soil	04/05/10 13:30	04/07/10 11:00							
Tilcon #57	0D07011-02	Soil	04/05/10 13:30	04/07/10 11:00							
Tilcon Biotic Barrier	0D07011-03	Soil	04/05/10 13:30	04/07/10 11:00							
Tilcon DGA	0D07011-04	Soil	04/06/10 13:35	04/07/10 11:00							

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-4 (0D07011-01) Soil	Sampled: 04/05/10 13:30 Recei	ved: 04/07/10	11:00						
Silver	ND	0.50	mg/kg dry	I	AD00804	04/08/10	04/12/10	EPA 6010B	
Aluminum	1870	12.5	ä	5	W	ti	04/12/10		
Arsenic	ND	1.70	4	1	•	W	04/12/10	44	
Barium	10.1	1.00	4	10	"	а	•		
Beryllium	NĎ	0.50	*	•			•		
Cadmium	ND	1.00		11		10	*	a	
Cobalt	1.67	1.00					•	ú	
Chromium	1.60	1.00		*	•		*	ů	
Copper	3.24	1.00	•	ar'		*	•	u	
Mercury	ND	0.012	•	•	AD00904	04/09/10	04/09/10	EPA 7471A	
Manganese	78.0	1.00		u	AD00804	04/08/10	04/12/10	EPA 6010B	
Nickel	NĎ	1.00			u	•			
Lead	ND	4.10		*	н	•	w		
Antimony	ŇD	1.40		"		•	10	•	
Selenium	ND	1.40		•		*		**	
Thallium .	ND	1.00		a.	10	**	19	u	
Vanadium	2.39	1.00		a		*	4		
Zine	10.2	4.00	*	4	*	**	**		
Гіісоп #57 (0D07011-02) Soil	Sampled: 04/05/10 13:30 Recei	ved: 04/07/10	11:00						
Silver	ND	0.50	mg/kg dry	1	AD00804	04/08/10	04/12/10	EPA 6010B	
Aluminum	5660	25.0	11	10	M		04/12/10	11	
Arsenic	2.02	1.70	•	1	,0		04/12/10		
							4		
Berium	12.0				4	•		**	
	12.0 ND	1.00 0.50	pr tr		11			"	
Beryllium	ND	1.00 0.50		•					
Beryllium Cadmium	ND ND	1,00 0.50 1,00	tr		11		#	#	
Beryllium Cadmium Cobalt	ND ND 3.11	1.00 0.50 1.00 1.00	lt II	u u ú	11 11	*	#	#	
Seryllium Cadmium Cobalt Chromium	ND ND 3.11 4.09	1.00 0.50 1.00 1.00 1.00	11 11	11 11 13 17	11 11 11	# # #	11 11	11 11	
Seryllium Cadmium Cobalt Chromium Copper	ND ND 3.11 4.09 5.33	1.00 0.50 1.00 1.00 1.00	tr 11 11	11 12 12 14	11 11 11 11	## ## ## ## ## ## ## ## ## ## ## ## ##	# # # # # # # # # # # # # # # # # # #	# # # # # # # # # # # # # # # # # # #	
Seryilium Cadmium Cobalt Chromium Copper Mercury	ND ND 3.11 4.09 5.33 ND	1.00 0.50 1.00 1.00 1.00 1.00 0.014	11 11 11 91	11 20 30 47 49	# # # AD00904	" " " 04/09/10	" " " " 04/09/10	" " " EPA 7471A	
Seryilium Cadmium Cobalt Chromium Copper Mercury Manganese	ND ND 3.11 4.09 5.33 ND 117	1.00 0.50 1.00 1.00 1.00 1.00 0.014	11 II I	u 	11 11 11 11	## ## ## ## ## ## ## ## ## ## ## ## ##	# # # # # # # # # # # # # # # # # # #	# # # # # # # # # # # # # # # # # # #	
Seryilium Cadmium Cobalt Chromium Copper Aercury Anganese	ND ND 3.11 4.09 5.33 ND 117 3.63	1.00 0.50 1.00 1.00 1.00 1.00 0.014 1.00 1.00	11 11 11 11 11 11 11 11 11 11 11 11 11	11 12 13 17 17 17 17	# # # AD00904 AD00804	** ** ** ** ** ** ** ** ** ** ** ** **	" " " " 04/09/10	" " " EPA 7471A EPA 6010B	
Seryilium Cadmium Cobalt Chromium Copper Aercury Anganese Ilekel ead	ND ND 3.11 4.09 5.33 ND 117 3.63 ND	1.00 0.50 1.00 1.00 1.00 0.014 1.00 1.00 4.10	11 II I	11 12 13 17 17 17 17	AD00904 AD00804	" " 04/09/10 04/08/10	" " " " 04/09/10	" " " EPA 7471A EPA 6010B	
Seryllium Cadmium Cobalt Chromium Copper Aercury Anganese ilekel ead untimony	ND ND 3.11 4.09 5.33 ND 117 3.63 ND ND	1.00 0.50 1.00 1.00 1.00 0.014 1.00 1.60 4.10	11 11 11 11 11 11 11 11 11 11 11 11 11	11 12 13 17 17 17 17	AD00904 AD00804	04/09/10	" " " " 04/09/10	" " " EPA 7471A EPA 6010B	
Barium Beryllium Cadmium Cobalt Chromium Copper Mercury Manganese Nickel ead antimony elenium hallium	ND ND 3.11 4.09 5.33 ND 117 3.63 ND ND ND	1.00 0.50 1.00 1.00 1.00 0.014 1.00 1.00 4.10 1.40	11 11 11 11 11 11 11 11 11 11 11 11 11	11 12 13 17 17 17 17	AD00904 AD00804	04/09/10 04/08/10 ""	" " " " 04/09/10	" " " EPA 7471A EPA 6010B	
Seryilium Cadmium Cobalt Chromium Copper Mercury Manganese Vickel Lead Luttimony elenium	ND ND 3.11 4.09 5.33 ND 117 3.63 ND ND	1.00 0.50 1.00 1.00 1.00 0.014 1.00 1.60 4.10	11 11 11 11 11 11 11 11 11 11 11 11 11	11 12 13 17 17 17 17	AD00904 AD00804	04/09/10 04/08/10 ""	" " " " 04/09/10	" " " EPA 7471A EPA 6010B	

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Metals by EPA 6000/7000 Series Methods

		Reporting	tream 1	4 . 4		.			
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon Biotic Barrier (0D07011-03) Soil	Sampled: 04/05/10 13:30	Receive	at: 04/07/10	11:00					
Silver	1.91	0.50	mg/kg dry	1	AD00804	04/08/10	04/12/10	EPA 6010B	
Aluminum	6920	25.0	•	10	•	17	04/12/10	н	
Arsenic	4.46	1.70	77	ı	•	n	04/12/10	Ħ	
Barium	65.7	1.00	π	•	•	*		•	
Beryllium	ND	0.50	•	*	•	*			
Cadmium	ND	1.00		n			*	ú	
Cobalt	8.17	1.00			*	*	*	n	
Chromium	24.2	1.00		u	*		•	u	
Copper	26,8	1.00			**	11	n	•	
Mercury	ND	0.012		a	AD00904	04/09/10	04/09/10	EPA 7471A	
Manganese	162	1.00			AD00804	04/08/10	04/12/10	EPA 6010B	
Nickel	15.3	1.00	. 11		"		10	*	
Lead	ND	4.10	11	•	*		•	**	
Antimony	ND	1.40	n					ú	
Selenium	ND	1.40	10		p	•	w	н	
Thallium	1,47	1.00			•	**	*	н	
Vanadium	15.9	1.00	*				**	u	
Zinc	21.4	4.00	*	u	n	•	**	u	
Tilcon DGA (0D07011-04) Soil Sample	d: 04/06/10 13:35 Receive	d: 04/07/	10 11:00						
Silver	1.18	0.50	mg/kg dry	1	AD00804	04/08/10	04/12/10	EPA 6010B	-
Aluminam	3810	12.5	i	5	"	*	04/12/10	"	
Arsenic	ND	1.70		1			04/12/10		,
Barlum	16.5	1.00		•			#		
Beryllium	ND								
Cadmium		V.3U							
		0.50 1.00	P					"	
Cobalt	ND 10.6	1.00			:: ::		-	19 18	
	ND 10.6	1.00 1.00	p	# #		# #		n n	
Chromium	ND 10.6 12.8	1.00 1.00 1.00	*		**		# 14	1) 11 17	
Chromium Copper	ND 10.6 12.8 39.8	1.00 1.00 1.00 1.00	" "		# #	*	9 H 19	" " " FPA 7471A	
Chromium Copper dercury	ND 10.6 12.8	1.00 1.00 1.00 1.00 0.012	17 18 18		# AD00904	04/09/10	" " " 04/09/10	" " EPA 7471A EPA 6010R	
Chromium Copper dercury Manganese	ND 10.6 12.8 39.8 ND	1.00 1.00 1.00 1.00 0.012 1.00	**		# #	*	9 H 19	" " EPA 7471A EPA 6010B	
Chromium Copper dercury Manganese Nickel	ND 10.6 12.8 39.8 ND 101 13.7	1.00 1.00 1.00 1.00 0.012 1.00 1.00	**		# AD00904 AD00804	04/09/10	" " 04/09/10 04/12/10	EPA 6010B	
Chromium Copper Aercury Manganese Nickel ead	ND 10.6 12.8 39.8 ND 101 13.7 ND	1.00 1.00 1.00 1.00 0.012 1.00 1.00 4.10	TP		# AD00904 AD00804	04/09/10 04/08/10	04/09/10 04/12/10	EPA 6010B	
Chromium Copper Aercury Manganese Vickel ead Antimony	ND 10.6 12.8 39.8 ND 101 13.7 ND	1.00 1.00 1.00 1.00 0.012 1.00 1.00 4.10 1.40	**	# #	AD00904 AD00804	04/09/10 04/08/10 "	04/09/10 04/12/10	EPA 6010B	
Cobalt Chromium Copper Mercury Manganese Vickel Lead Antimony Mellium	ND 10.6 12.8 39.8 ND 101 13.7 ND ND	1.00 1.00 1.00 1.00 0.012 1.00 1.00 4.10 1.40	•	*	# AD00904 AD00804 # #	" 04/09/10 04/08/10 " "	04/09/10 04/12/10 "	EPA 6010B	
Chromium Copper Mercury Manganese Vickel Lead Antimony Velenium	ND 10.6 12.8 39.8 ND 101 13.7 ND	1.00 1.00 1.00 1.00 0.012 1.00 1.00 4.10 1.40		**	AD00904 AD00804 ""	" 04/09/10 04/08/10 " "	04/09/10 04/12/10 "	EPA 6010B	

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-4 (0D07011-01) Soil	Sampled: 04/05/10 13:30 R	Received: 04/07/10	11:00						
alpha-BHC	ND	0.400	ug/kg dry	1	AD01305	04/13/10	04/14/10	8081A/8082	Ţ
Gamma-BHC (Lindane)	ND	0.400		**	•				ι
Beta-BHC	ND	0.400	ń		w	•		•	τ
Delta-BHC	ND	0.400		•	•	•	11	•	τ
Heptachlor	ND	0.400			19	*	ų	Ħ	t
Aldrin	ND	0.400		W	•	*	u	*	t
Heptachlor Epoxide	ND	0.400	n	#	**		17.		Ù
4,4'-DDE	ND	0.400	*	w	n	•	*		U
Endosulfan I	ND	0.400	**				•		U
Dieldrin	ND	0.400		•	*		•	•	U
Endrin	ND	0.400				•	•	•	U
4,4'-DDD	ND	0.400	*	•		•	п		u
Endosulfan II	ND	0.400		*	•	•	#	•	u
4,4'-DDT	ND	0.400		*			*		U
Endrin Aldehyde	ND	0.400			•	•	4		υ
Methoxychlor	ND	0.400		*	*	tr	**		u
Endosulfan Sulfate	ND	0.400	4			**			U
Endrin Ketone	ND	0.400	*	*	*				u
Chlordane	ND	6.70				•	v	•	u
Toxaphene	ND	8.30			44	•		*	Ú
Aroclor 1016	ND	3.30		•	*		•	•	Ü
Aroclor 1221	NĎ	3.30	11			•	4		Ü
Aroclor 1232	ND	3.30		*	,,	**			U
Aroclor 1242	ND	3.30		**	**	#	·		Ü
Aroclor 1248	ND	3.30			*			•	u
Aroclor 1254	ND	3.30	9		*	•	я	•	Ū
Aroclor 1260	ND	3.30	**	*	•	•		•	U
Aroclor 1262	ND	3.30	•		•	,	•		U
Aroclor 1268	ND	3.30		*			•	•	U
urrogate: Tetrachloro-meta-xyl		113 %	82-1	2.3		"	· · · · · ·	- i	
Surrogate: Decachlorobiphenyl	•	88.4 %	56-1		,,		<i>u</i>	,,	

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon #57 (0D07011-02) Soii Sa	mpled: 04/05/10 13:30 Rece	ived: 04/07/10	0 11:00		-				
alpha-BHC	ND	0.400	ug/kg dry	1	AD01305	04/13/10	04/14/10	8081A/8082	l
Gamma-BHC (Lindane)	ND	0.400		"	**		•		ι
Beta-BHC	ND	0.400	н	n		**		a	ŧ
Delta-BHC	ND	0,400	"	*		и	, 4		ι
Heptachlor	ND	0.400	n	R		**			ι
Aldrin	ND	0.400		ė	•		•	n	ι
Heptachlor Epoxide	ND	0.400	•		•		•	te	U
4,4'-DDE	ND	0.400	**	•				*	U
Endosulfan I	ND	0.400	**	*		**	•	•	U
Dieldrin	ND	0.400	19		•	10	•	u	U
Endrin	ND	0.400			•				υ
4,4'-DDD	ND	0.400						*	ū
Endosulfan II	ND	0.400	11	u		ц	w	*	U
4,4'-DDT	ND	0.400	11					ш	Ü
Endrin Aldehyde	ND	0.400	11	H			*	**	บ
Methoxychlor	ND	0.400	11			•		u	Ú
Endosulfan Sulfate	ND	0.400	**	R		•		•	บ
Endrin Ketone	ND	0.400	P		•	*	#	н	U
Chlordane	ND	6.70	**		•			•	Ü
Toxaphene	ND	8.30		*	•	11	•	*	U
Aroclor 1016	ND	3.30	n	**		u			· U
Aroclor 1221	ND	3.30		**	•			*	Ü
Aroclor 1232	ND	3.30		17	•	4	47	**	U
Aroclor 1242	ND	3.30		•	•	•	#	**	U
Aroclor 1248	ND	3.30					**		บ
Aroclor 1254	ND	3.30	W		*	•	**	n	บ
Aroclor 1260	ND	3.30		,,		#	**	**	Ú
Aroclor 1262	ND	3.30		•				#	U
Aroclor 1268	ND	3.30	a	ti			#	•	Ü
urrogate: Tetrachloro-meta-xylene		115%	82-1.	23					
urrogate: Decachlorobiphenyl		89.7 %	56-1.			w			

2749 Lockport Road

Niagara Falls NY, 14302

Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon Biotic Barrier (0D07011-03) Soil	Sampled: 04/05/10 13:30	Receive	d: 04/07/10	11:00					
alpha-BHC	ND	0.400	ug/kg dry	1	AD01305	04/13/10	04/14/10	8081A/8082	Ţ
Gamma-BHC (Lindane)	ND	0.400	•	•				*	τ
Beta-BHC	ND	0.400			77	u	#	•	τ
Delta-BHC	ND	0.400	*		**		π	•	Ţ
Heptachlor	ND	0.400	#	u	•	u	*		τ
Aldrin	ND	0.400		**	•	•	**		ţ
Heptachlor Epoxide	ND	0.400		•	÷		#	•	τ
4,4'-DDE	ND	0.400	•	•	•		•	*	Ţ
Endosulfan I	ND	0.400	11	•	•	•	**	•	τ
Dieldrin	ND	0.400	**	•	•	•		*	τ
Endrin	ND	0.400		n	4	10	n	•	ι
4,4'-DDD	ND	0.400	*	•	w		*		τ
Endosulfan II	ND	0.400	**		u u	u	12		ί
4,4'-DDT	ND	0.400	•		•		•		ι
Endrin Aldehyde	ND	0.400	•	#			•	•	τ
Methoxychlor	ND	0.400		**		×			ι
Endosulfan Sulfate	NĎ	0.400	*	**					τ
Endrin Ketone	ND	0.400	**	**	10		u		t
Chlordane	ND	6.70		**	•			•	τ
Toxaphene	ND	8.30		W					ί
Aroclor 1016	ND	3.30			**	•	-	•	ι
Aroclor 1221	ND	3.30			· u	H	'n	11	ι
Aroclor 1232	ND	3.30		*	**	**	а	w	τ
Aroclor 1242	ND	3.30		**	"	•	ч		t
Aroclor 1248	ND	3.30	*	*	**		**	¥	i
Aroclor 1254	ND	3.30			**			11	i
Aroclor 1260	ND	3.30					•	*	i
Aroclor 1262	ND	3.30			10		11	**	i
Aroclor 1268	ND	3.30	u			•	•		i
turrogate: Tetrachloro-meta-xylene		96.9 %	82-12	2.3	*		n		
Surrogate: Decachlorobiphenyl		84.5 %	56-1.						

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon DGA (0D07011-04) Soil	Sampled: 04/06/10 13:35	Received: 04/07/	10 11:00						
alpha-BHC	ND	0.400	ug/kg dry	1	AD01305	04/13/10	04/14/10	8081A/8082	ι
Gamma-BHC (Lindane)	ND	0.400	**		77	*	•	n	ι
Beta-BHC	ND	0.400	*	*	•			n _i	ι
Delta-BHC	ND	0.400			**		Þ		ι
Heptachlor	ND	0.400	-	**	*		es	•	U
Aldrin	ND	0.400	н	•		•		*	Ú
Heptachlor Epoxide	ND	0.400							u
4,4'-DDE	ND	0.400	71					а	υ
Endosulfan I	ND	0.400	n	w				н	u
Dieldrin	ND	0.400	**	10		•			Ů
<u>Endrin</u>	ND	0.400	2	w	ui .		n	Ĥ	U
4,4'-DDD	ND	0.400							Ü
Endosulfan II	ND	0.400				p		u	u
4,4'-DDT	ND	0,400	-		,		*		Ü
Endrin Aldehyde	ND	0.400		**			**	*	U
Methoxychlor	ND	0.400			,	**	•	19	u
Endosulfan Sulfate	ND	0.400							U
Endrin Ketone	ND	0.400					•	*	บ
Chlordane	ND	6.70		*	•				Ü
l'oxaphene	ND	8.30					w	16	บ
Aroclor 1016	ND	3.30	**		,**		u .	, N	Ü
Arocior 1221	ND	3.30							U
Aroclor 1232	ND	3,30	*			**	•		U
Aroclor 1242	ND	3.30			•		**	u	U
Aroclor 1248	ND	3.30			**	*		tt.	บ
Aroclor 1254	ND	3.30				,,	**	u	U
Aroclor 1260	ND	3.30						н	บ
Aroclor 1262	ND	3.30	-			•	*	er	Ü
roctor 1268	ND	3.30						*	บ
urrogate: Tetrachloro-meta-xylei		94.0 %	82-12	23					
urrogate: Decachlorobiphenyl		81.9%	56-1.		~	-			

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

				COMOJOE			· · · · · · · · · · · · · · · · · · ·		
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-4 (0D07011-01) Soil	Sampled: 04/05/10 13:30 Reco	ived: 04/07/10	11:00						
dichlorodifluoromethane	ND	9	ug/kg dry	1	AD00701	04/07/10	04/07/10	8260B	
chloromethane	ND	9		**	w		10	**	τ
vinyl chloride	ИĎ	9	•	•	*	**	н	-	τ
bromomethane	ND	9	ņ	a			н		τ
chloroethane	ND	9	*	•		*		77	ι
trichlorofluoromethane	ND	9			•	*		Ü	τ
1,1-dichloroethene	ND	2		•	•		•		ι
acetone	ND	9		**		n		п	ί
carbon disulfide	ND	2	o	n	u	P		•	ι
methylene chloride	6	2	н			n	"		Ė
Methyl tert-butyl ether	ND	2	ч			*	**		τ
Acrylonitrile	ND	9	*	**					t
trans-1,2-dichloroethene	ND	2							τ
1.1-dichloroethane	ND	2		*					Ü
2-butanone	ND	9	ņ	•	н			**	t
cis-1,2-dichloroethene	ND	2			"	#	*	•	
chloroform	ND	2	*	*					U
1.1.1-trichloroethane	ND ND	2		,,					U
carbon tetrachloride	ND	2							U
benzene	ND	2					_		U
1,2-dichloroethane	ND	2			_	_	-	-	U
trichloroethene	ND	2			÷	_			Ü
1,2-dichloropropane	ND ND		_						Ŭ
bromodichloromethane		2			"	•	•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ú
	ND	2		77	u			а	U
4-Methyl-2-pentanone (MIBK)	ND	9	**	*		п	*	7	Ü
cis-1,3-dichloropropene	ND	2	*	•			*	**	U
toluene	ND	2		•	•	*	•	•	U
trans-1,3-dichloropropene	ND	2	*		*	'n	я	•	υ
1,1,2-trichloroethane	ND	2	w	•	*	**	*	•	U
tetrachioroethene	ND	2	•			*	•	•	υ
dibromochloromethane	ND	2	•	*		•	•	•	υ
1,2-dibromoethane	ND	2			•	•	•	•	Ú
chlorobenzene	ND	2			•	#	•	•	U
1,1,2-tetrachloroethane	ND	2				•	•		υ
ethylbenzene	ND	2	**		*	**		•	ΰ
n,p-xylene	ND	4	*	•	•		n	**	บ
p-xylene	ND	2	•		•		#		บ
tyrene	ND	2	•	•	•	n	•		ນ
promoform	ND	2	П		77	**		*	ប
Acrolein	ND	9	и	•	*	*		•	บ
Methyl Acetate	ND	9	•	*	*				U
,1,2,2-tetrachloroethane	ND	2		•	**	19			U

Waste Stream Technology

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-4 (0D07011-01) Soil Sampl	led: 04/05/10 13:30 Recei	ved: 04/07/10	11:00		~				
Tert-butyl alcohol	ND	89	ug/kg dry	ı	AD00701	04/07/10	04/07/10	8260B	1
1,2-dibromo-3-chloropropane	ND	9	"		11300101	# #	10	*	ì
Surrogate: Dibromofluoromethane		104 %	78-	115					_
Surrogate: 1,2-Dichloroethane-d4		107 %	79-						
Surrogate: Toluene-d8		96.0 %	84-		-				
Surrogate: Bromofluorobenzene		97.0 %	81-		#			n	
Tilcon #57 (0D07011-02) Soil Samp	led: 04/05/10 13:30 Recei	ved: 04/07/10	11:00						
dichlorodifluoromethane	ND	9	ug/kg dry	1	AD00701	04/07/10	04/07/10	8260B	Į
chloromethane	ND	9		,	*				į
vinyl chloride	ND	9		*	**		•		ί
bromomethane	ND	9	**	ni	•	14		,	ì
chloroethane	ND	9	*	19					Ţ
trichlorofluoromethane	ND	9		H	•	*	*	n	τ
I,l-dichloroethene	ND	2	n	**		*	-	´ .	ī
acetone	ND	9	*	*	•			a	ι
earbon disulfide	ND	2			•		*	ĸ	t
methylene chloride	7	2					*		F
Methyl tert-butyl ether	ND	2		u			**		
Acrylonitrile	ND	9	a a			ь	41		ì
rans-1,2-dichloroethene	ND	2				4			τ
1,1-dichloroethane	ND	2	**		•	u	t †		ί
2-butanone	ND	9			•	u		w	ί
is-1,2-dichloroethene	ND	2	*				*		į
thloroform	ND	2	tr.		•		**	**	ί
, l, l-trichloroethane	ND	2		*		•	**	*	ι
arbon tetrachloride	ND	2		и	ú	ė.			
enzene	ND	2		ú		#	77	**	į
.2-dichloroethane	ND	2		*					į
richloroethene	ND	2			*				ι
,2-dichloropropane	ND	2		#			19	a	į
romodichloromethane	ND	2		4		•		u	i.
-Methyl-2-pentanone (MIBK)	ND	9				•		u	ĭ
is-1,3-dichloropropene	ND	2	*				u	π	ı
pluene	ND	2	₩				a		į
ans-1,3-dichloropropene	ND	2	•					н	t
1,2-trichloroethane	ND	2				•		*	t
trachloroethene	ND	2							į.
ibromochloromethane	ND	2	,,			•	*	u	-
2-dibromoethane	ND	2		71					Į.
nlorobenzene	ND	2	**	•				 u	t
,1,1,2-tetrachloroethane	ND ND	2		•	-	-		-	L

Waste Stream Technology

Sevenson Environmental Services 2749 Lockport Road

Niagara Falls NY, 14302

Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

		VV aste S	tream 1	ecunotof	<u> </u>				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon #57 (0D07011-02) Soil Sampled: 0	4/05/10 13:30 Receiv	ved: 04/87/10	11:00						
ethylbenzene	ND	2	ug/kg dry	ı	AD00701	04/07/10	04/07/10	8260B	
m,p-xylene	ND	4	•		71		*	•	
o-xylene	ND	2			••			*	
styrene	ND	2	#	4	n	ė	rr	H	
bromoform	ND	2		•		•	*	u	
Acrolein	ND	9		*		•	u	*	
1,1,2,2-tetrachloroethane	ND	2	u	•	u	•		4	
Methyl Acetate	ND	9	н	•		•		a	
Tert-butyl alcohol	ND	88	•	*		*		4	
1,2-dibromo-3-chloropropane	ND	9	*	•		•	B	n	
Surrogate: Dibromofluoromethane		105 %	78-1	15	n	"	п	#	
Surrogate: 1,2-Dichloroethane-d4		105 %	79-1		*			w	
Surrogate: Toluene-d8		96.1 %	84-1	10	-			*	
Surrogate: Bromofluorobenzene		97.4 %	81-1					*	
	ampled: 04/05/10 13:	30 Receive	d: 04/07/10	11:00					
dichlorodiffuoromethane	ND	10	ug/kg dry	1	AD00701	04/07/10	04/07/10	8260B	
chloromethane	ND	10	**	*	*	* .		4	
vinyl chloride	ND	10	**	"	1)	•	ti	n	
bromomethane	ND	10	7	d	•	•	ŧ	Ħ	
chloroethane	ND	10	*		•	•	*	4	
richlorofluoromethane	NĎ	10	**	•	4	•	ū	"	
I,1-dichloroethene	ND	2	•	•	**	*	*	*	
acetone	ND	10		*	4	ė	Ħ	**	
carbon disulfide	ND	2	*	*		•	*	w	
methylene chioride	4	2	*	4	*	•	Ħ	u	
Methyl tert-butyl ether	ND	2	te	•	4	11	*	w	
Acrylonitrile	ND	10	•		**	*	•	é	
rans-1,2-dichloroethene	ND	2	•	•	'n		#	•	
,1-dichloroethane	ND	2		**	•	Ħ	#	4	
butanone	ND	10	•	,,	*		•	**	
is-1,2-dichloroethene	ND	2	•	b	•		*	**	
hloroform	ND	2	•	•	*		÷.		
,1,1-trichloroethane	ND	2	•	"			и .	и	
arbon tetrachloride	ND	2	*	**	**	#	н	Ħ	
enzene	ND	2	•	•	•	• .		tr	
,2-dichloroethane	ND	2	•	•	•				
ichloroethene	ND	2	**	•	•	#	u	u u	
2-dichloropropane	ND	2	•	•	•		н		
romodichloromethane	ND	2	**	*	*	*	er	•	
-Methyl-2-pentanone (MIBK)	ND	10		*	•		u	*	•
is-1,3-dichloropropene	ND	2	**	Ħ				**	1

Waste Stream Technology

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

Result Sampled: 04/05/10 13:30	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sampled: 04/05/10 13:30	-							
	Receive	d: 04/07/10 1	1:00					
ND	2	ug/kg dry	1	AD00701	04/07/10	04/07/10	8260B	
ND	2		•			*	•	1
ND	2					•		Į
ND	2	ч	11	n	9	*	•	Į.
ND	2	**	*		*	**	•	1
ND	2	•	•	**	**	**	41	
ND	2	19		*	**	r	*	1
ND	2		n	11		'#	ň	i
ND	2					•	**	
ND	4	•	•				Ú	ť
ND	2			**	**	ŧ	•	i
ND	2						ń	i
ND	2						#	ı
ND	10					'n	**	i
		*	**			ú	**	ì
					*	*	•	i
		*		**	et .	**		ι
				#	**	4	н	ι
		79 11						
				,				
					-	-	-	
							_	
	97.3 70	01-110	,	-	-	~	•	
: 04/06/10 13:35 Received	l: 04/07/1	0 11:00						
ND	8	ug/kg dry	1	AD00701	04/07/10	04/07/10	8260B	υ
ND	8	*			*		in	t
ND	8	*	'n	**	•	**	•	u
ND	8	17	#	11	71	**		Ü
ND	8	*			u	•		u
ND	8	*	*	**	ņ		1i	U
ND	2	*			ü	10		บ
ND	8	**		**		*		Ü
ND	2		•	n				U
5	2.	77	11	,	a)	н		В
ND	2	w	*	**	a		N	บ
ND		•		w	•			υ
ND	2	*		10	**		#	Ü
ND	2	*				,=		U
ND	8	11	**	4	**	•	н	U
								U
-	2	•		я	**			*1
ND ND	2 2	•	**	11	n 11	,,		U
	ND N	ND 2	ND 2 " ND 10 " ND 8 " ND 9 2 " ND 8 " ND 9 "	ND 2 " " ND 10 " " ND 8 " " " ND 8 " " " ND 8 " " ND 8 " " " ND 2 " " " ND 8 " " " ND 2 " " " ND 8 " " " ND 2 " " " ND 8 " " " ND 2 " " " ND 8 " " " ND 2 " " " ND 8 " " " ND 2 " " " ND 8 " " " ND 2 " " " ND 8 " " " ND 8 " " " ND 9 2 " " "	ND 2 " " " " ND 12 " " " ND 2 " " " " ND 2 " " " " " ND 2 " " " " ND 2 " " " " ND 2 " " " ND 2 " " " ND 4 " " " ND 2 " " " " ND 2 " " " " ND 10 " " " " " " " ND 10 " " " " " " " " ND 10 " " " " " " " " " " " " " " " " " "	ND 2 " " " " " " " ND 2 " " " " " " ND 2 " " " " " " " " " " " " " " " " " "	ND 2 " " " " " " " " " ND 2 " " " " " " " " " " " " " " " " " "	ND 2

Waste Stream Technology

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon DGA (0D07011-04) Soil	Sampled: 04/06/10 13:35	Received: 04/07/	10 11:00					-	
carbon tetrachloride	ND	2	ug/kg dry	1	AD00701	04/07/10	04/07/10	8260B	
benzene	ND	2	* '	•	•			•	1
1,2-dichloroethane	ND	2	•	*	**	71			1
trichloroethene	ND	2			•		**	Ħ	1
1,2-dichloropropane	ND	2		•	•	H	•	H	1
bromodichloromethane	ND	2	*	•	•	*			1
4-Methyl-2-pentanone (MIBK)	ND	8	*	•	•		**		1
cis-I,3-dichloropropene	ND	2	**		•		17	#	1
toluene	ND	2		Ĥ	**		**	#	1
trans-1,3-dichloropropene	ND	2		n	•		ń		1
1,1,2-trichloroethane	ND	2	и		77		**	u.	Ţ
tetrachloroethene	ND	2		Ħ	*	*	**		t
dibromochloromethane	ND	2					**		τ
1,2-dibromoethane	И́D	2		•		n	**	•	t
chlorobenzene	ND	2		•			•	•	τ
1,1,1,2-tetrachloroethane	ND	2		**	*	n	**	•	ι
ethylbenzene	ND	2		N	*	ņ		47	ι
m,p-xylene	· ND	3	#			•	•	**	Į
o-xylene	ND	2	•			•	•	**	ī
styrene	ND	2		77			#		ι
bromoform	ND	2	n			11	#	p.	ι
Acrolein	ND	8	•		•	11	*	u	ι
Methyl Acetate	ND	8	**	•	,	•	4	•	į
1,1,2,2-tetrachloroethane	ND	2	•	*	**			4	ι
Tert-butyl alcohol	ND	83	**		er	w	n	**	ī
,2-dibromo-3-chloropropane	ND	8		•			19	41	ī
Surrogate: Dibromofluoromethane	ę	106%	78-1	15	•		я		
Surrogate: 1,2-Dichloroethane-d4		106%	79-1	-	•	,,,		•	
Surrogate: Toluene-d8		93.9 %	84-1			•		•	
Surrogate: Bromofluorobenzene		96.0 %	81-1						

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon 1-4 (0D07011-01) Soil	Sampled: 04/05/10 13:30 Recei	ved: 04/07/10	11:00						
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AD01220	04/12/10	04/13/10	8270C	
bis(2-chloroethyl)ether	ND	67	-g-g-,		12 01220		9	7	
phenol	ND	130		*		#	-	π-	
2-chlorophenol	ND	130		w	•	*1			
1,3-dichlorobenzene	ND	67		n		**			
1,4-dichlorobenzene	ND	67				•	**	*	
1,2-dichlorobenzene	ND	67		**			*	**	
benzyl alcohol	ND	67	•			•	В	*	
bis(2-chloroisopropyl)ether	ND	67	**	•	*				
2-methylphenol	ND	67							
hexachloroethane	ND	67				**	•		
N-Nitrosodi-n-propylamine	ND	67	*			n,	н		
3 & 4-methylphenol	ND	130	**	u					
nitrobenzene	ND	67	n		**		#	u	
isophorone	ND	67	**	*	•			u	
2-nitrophenol	ND	130					*		
2,4-dimethylphenol	ND	130		•	u		ü	u	
Bis(2-chloroethoxy)methane	ND	67	**			и		#	
benzoic acid	ND	330	**	•			u	W	
2,4-dichlorophenol	ŇD	130	Ħ	4	•			#	
1,2,4-trichlorobenzene	ND	67	u		÷		v		
naphthalene	ND	67	в					*	
4-chloroaniline	ND	67	4					**	
hexachlorobutadiene	ND	67					•	*	1
4-chloro-3-methylphenol	ND	130			*			**	1
2-methylnaphthalene	ND	67	"			u	44	•	,
nexachlorocyclopentadiene	ND	130	*					n	,
2,4,6-trichlorophenol	ND	130	in	17					,
2,4,5-trichlorophenol	ND	67	*	11	•			. •	,
2-chloronaphthalene	ND	67		*	m .				1
?-nitroaniline	ND	67	•	*					1
cenaphthylene	ND	67	•	**		**	H		,
Dimethyl phthalate	ND	67		#		π			,
,6-dinitrotoluene	ND	67		•	*		**		1
cenaphthene	ND	67	*	,00		*	H,	**	4
-nitroaniline	ND	67	*	17	*	**	u		,
,4-dinitrophenol	ND	130		*	•	**	n	,u	1
ibenzofuran	ND	67	•	ņ		**	u		1
,4-dinitrotoluene	ND	67	n	11	•			h	1
-nitrophenol	ND	130		•		44	ч	•	1
uorene	ND	67					•	•	,
-Chlorophenyl phenyl ether	ND	67							1

Waste Stream Technology

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Resu	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-4 (0D07011-01) Soil	Sampled: 04/05/10 13:30	leceived: 04/07/10	11:00						
Diethyl phthalate	NI	67	ug/kg dry	1	AD01220	04/12/10	04/13/10	8270C	Į
4-nitroaniline	NI	67	#	•		#	•	•	Į
4,6-Dinitro-2-methylphenol	NI	130	*	•		n	•	•	ţ
n-nitrosodiphenylamine	NI	67		*	**	#	79	•	τ
4-bromophenylphenylether	NE	67		*			Ψ	*	ι
hexachlorobenzene	NI	67				•	**	•	ι
pentachlorophenol	NE	130	n			*	vi	•	ι
phenanthrene	NE	67	•				**		ι
anthracene	NE	67	**			•	**	•	ι
carbazole	NI	67	•	**	•				ι
Di-n-butyl phthalate	NE	67	•	*	•	•	#		ι
benzidine	NI	330		**	**		#		ŧ
fluoranthene	NE	67				•			ι
3,3'-Dichlorobenzidine	NE	67		**			**		ι
pyrene	NE	67	•	*	•	•	=		ι
Butyl benzyl phthalate	NE	67	•	ņ			*	Ü	Ü
Benzo (a) anthracene	NE	67	u		**			•	U
chrysene	ND	-67		*	**	•	m'	•	u
ois(2-ethylhexyl)phthalate	. NE	67	u	*	#		•		U
Di-n-octyl phthalate	NE	67	#			•	**		Ü
Benzo (b) fluoranthene	ND	67	` u				*	*	U
Benzo (k) fluoranthene	ND	67		u	n,		•	41	U
Benzo (a) pyrene	ND	67		n	н	u	**	w	U
ndeno (1,2,3-cd) pyrene	ND	67		n	**	u	#		Ü
Dibenz (a,h) anthracene	ND	67	w.	**	**	41	ė		U
Benzo (g,h,i) perylene	ND	67				•	•	·a	י ע
Acetophenone	ND			ù		11		u	U
aprolactam	ND	-	w		**	•			. ប
,1'-Biphenyl	ND	67	я				и		U
Atrazine	ND	67	4		*	#		**	บ
Benzaldehyde	ND	67	u	#			n	**	U
,2-Diphenylhydrazine	ND	67	10	u	**	₩.	*		Ü
urrogate: 2-Fluorophenol		81.6%	59-10	01	"		. #	. 0	
urrogate: Phenol-d6		86.2 %	64-10		**	•	-		
urrogate: Nitrobenzene-d5		84.5 %	58-10		**	•			
urrogate: 2-Fluorobiphenyl		83.7 %	67-10	_				,	
urrogate: 2,4,6-Tribromopheno	ol .	87.7 %	63-10					,	
urrogate: Terphenyl-d14		131 %	38-13				,,	•	

Sevenson Environmental Services 2749 Lockport Road

Niagara Falls NY, 14302

Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Resul	Reporting t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tikon #57 (0D07011-02) Soil	Sampled: 04/05/10 13:30					-: -: -: -: -: -: -: -: -: -: -: -: -: -			
N-Nitrosodimethylamine	NI								
bis(2-chloroethyl)ether	NI NI		ug/kg dry	į.	AD01220	04/12/10	04/13/10	8279C	
phenol	NE NE		-		-		-	,	
2-chlorophenol	NE NE		**		-		-		
1,3-dichlorobenzene	NE NE		,,		,,		_	_	
1,4-dichlorobenzene	ND					-		"	
1,2-dichlorobenzene	NE NE	= -		_	"	-	-		
benzyl alcohol				_				•	
bis(2-chloroisopropyl)ether	ND	-*	,	-	-		•	•	
2-methylphenol	ND	- •	9			•	Ħ	•	
z-menyrphenor hexachloroethane	ND			•	n				
	ND		"	11	*	ú,	•	u	
N-Nitrosodi-n-propylamine	ND		*		•		**	•	
3 & 4-methylphenol	ND		•	•	•	ú			
nitrobenzene	ND		•	•	**	*	•	.**	
isophorone	ND		*	•	*	•	•		
2-nitrophenol	ND		"	•	91	*	N	u	
2,4-dimethylphenol	ND	130	*	•	4	*	ir		
Bis(2-chloroethoxy)methane	ND	67	**		u		*		
penzoic acid	ND	330	*		á	u	*	7	
2,4-dichlorophenol	ND	130		•	21	u		•	
,2,4-trichlorobenzene	ND	67			**	*	*	**	
aphthalene	ND	67	w	#	0				
-chloroaniline	ND	67	•	*		*	er:		
exachlorobutadiene	ND	67			*	tr'	*		
-chloro-3-methylphenol	ND	130			*	•	,		
-methylnaphthalene	ND					*	**	π	
exachlorocyclopentadiene	ND	130		**			*	7	
,4,6-trichlorophenol	ND	130					**		1
,4,5-trichlorophenol	ND	67					41		
-chloronaphthalene	ND	67	**		w		••	-	
-nitroaniline	ND	67	u u					_	
cenaphthylene	ND	67							1
imethyl phthalate	ND	67						_	1
6-dinitrotoluene	ND ND	67					-	-	1
cenaphthene	ND ND	67			,,			-	ı
-nitroaniline	ND ND	67					-	-	1
4-dinitrophenol	ND ND	130			-	,	•	-	1
ibenzofuran	ND ND				-	-			1
4-dinitrotoluene	ND ND	67					•	•	1
nitrophenol		67					P	•	1
undoprænor Borene	ND	1,30		-		•	•		1
	ND	67		•		•	•	*	Ţ
Chlorophenyl phenyl ether	ND	67	4	*	e	•			1

Waste Stream Technology

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon #57 (0D07011-02) Soil	Sampled: 04/05/10 13:30 1	Received: 04/07/10	11:00	0 1. 47.					
Diethyl phthalate	ND	67	ug/kg dry	l	AD01220	04/12/10	04/13/10	8270C	ŧ
4-nitroaniline	ND	67		•		11	•	**	υ
4,6-Dinitro-2-methylphenol	ND	130	•	•		41		w	ί
n-nitrosodiphenylamine	ND	67	#	tt.					ι
4-bromophenylphenylether	ND	67			n	•	•	Ü	U
hexachlorobenzene	ND	67	**		•			**	Ų
pentachlorophenol	ND	130	10		17	u	**	ń	Ù
phenanthrene	ND	67	#	•		•	**	4	Ų
anthracene	ND	67	•	•	u		a	*	U
carbazole	ND	67			н	u.	**	•	U
Di-n-butyl phthalate	ND	67	**				Ħ	п	U
benzidine	ND	330	ù	•	u		ıπ	•	U
fluoranthene	ND	67	**	•		•	n	•	U
3,3'-Dichlorobenzidine	ND	67	•	*		10	•		Ú
pyrene	ND	67		**			n	•	U
Butyl benzyl phthalate	ND	67	•	,		в	n		ΰ
Benzo (a) anthracene	ND	67	**	•	H	4	•	*	U
chrysene	ND	67		n		u	**	'n	Ú
bis(2-ethylhexyl)phthalate	ND	67	•	*	**	•	*	-	Ü
Di-n-octyl phthalate	ND	67	**		**	u	**	á	ΰ
Benzo (b) fluoranthene	ND	67	•	•			Į.	•	U
Benzo (k) fluoranthene	ND	67		•		**	#		U
Benzo (a) pyrene	ND	67		**			#	•	บ
indeno (1,2,3-cd) pyrene	ND	67	я	•		•	•		ΰ
Dibenz (a.h) anthracene	ND	67	·n	•		•		•	υ
Benzo (g,h,i) perylene	ND	67	#	•	#			a	
Acetophenone	ND	67	*	71	**	•		•	บ
Caprolactam	ND	67	u	**			Р	ė	U
,1'-Biphenyl	ND	67		**					Ŭ
Atrazine	ND	67	n .		W		•		U
Benzaldehyde:	ND	67		tr	u			W.	υ
,2-Diphenylhydrazine	ND	67			R	•	-	#	U
urrogate: 2-Fluorophenol		72.8 %	59-10)1					
Surrogate: Phenol-d6		77.3 %	64-10		#		*	,,	
wrogate: Nitrobenzene-d5		76.6 %	58-10			ø	•		
urrogate: 2-Fluorobiphenyl		76.2 %	67-10	_	*	*		*	
urrogate: 2,4,6-Tribromopheno	1	78.8 %	63-10						
urrogate: Terphenyl-d14	•	76.8 %	38-13		•	er .			

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

N-Nitrosodimetrylamine ND 67 w/sg dy 1 AD01220 AV12/10 AV12/			Reporting			-				
N-Nitrosodimethylamine ND 67 ug/kg day 1 AD01220 04/12/10 04/13/10 8270C bis(2-chlorochyl)peher ND 67	Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
bis/2-chlorosetylypther ND 67	Tilcon Biotic Barrier (0D07011-03) Soil	Sampled: 04/05/10 13:30	Receive	d: 04/07/10	11:00	- '				•
planeal ND 130	N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AD01220	04/12/10	04/13/10	8270C	ι
2-chlorophenol ND 130	bis(2-chloroethyl)ether	ND	67			•	۳,	*	*	ι
1,3-dichlorobenzene	phenol	ND	130	Ť	и	•	u'	n,	*	ι
1,4-dichlorobenzene	2-chlorophenol	ND	130	*		•		. #	**	τ
2-dichlorobenzene	1,3-dichlorobenzene	ND	67			•		•		t
Demzyl alcohol ND 67 - - - - - - - - -	1,4-dichlorobenzene	ND	67	•		*	•	"	*	ι
bis/2-chloroisopropyl)ether ND 67 -	1,2-dichlorobenzene	ND	67	•	•	•	*		"	ŧ
Cametry hybernol ND 67	•	ND	67		•				•	ι
hexachloroethane ND 67	bis(2-chloroisopropyl)ether	ND	67	11			17	ù	•	i
N-Nitrosodi-n-propylamine ND 67	2-methylphenol	ND	67	п		**		m	#	τ
3 & 4-methylphenol ND 130	hexachloroethane	ND	67	•	*		•	п	19	ţ
3 & 4-mettylphenol ND 130 """"""""""""""""""""""""""""""""""""	N-Nitrosodi-n-propylamine	ND	67	11		•		•	a	ι
isophorone		ND	130			*		•		ι
2-nitrophenol ND 130 " " " " " " " " " " " " " " " " " " "	nitrobenzene	ND	67	•	*				•	ι
2.4-dimethylphenol ND 130 -	isophorone	ND	67	**	*	**		н	tt .	į
Bis(2-chloroethoxy)methane	2-nitrophenol	ND	130	n	.#	**	u		**	Ü
Bis(2-chloroethoxy)methane	2,4-dimethylphenol	ND	130	**		•		*		ι
Perzoic acid ND 330 Perzoic acid ND 330 Perzoic acid		ND		**	n	**	'n	п	"	Ü
2,4-drichlorophenol		ND							*	i
1,2,4-trichlorobenzene	2.4-dichlorophenol					н				i
Achloroaniline	3				u		*		•	i
A-chloroaniline A-chlorobutadiene ND 67 " " " " " " " " " " " " " " " " " "	* *						*			ì
ND 67	• • • • • • • • • • • • • • • • • • • •		•	**	*		*	**	•	ì
A-chloro-3-methylphenol ND 130 " " " " " " " " " " " " " " " " " " "	· · · · · · · · · · · · · · · · · · ·			**	•	**	,		19	ί
Commethylnaphthalene				u'		**	n	4	11	ι
ND 130						,,				į
2.4,6-trichlorophenol					u	tr .		ш	u	į
2,4,5-trichlorophenol										į
2-chloronaphthalene ND 67 " " " " " " " " " " " " " " " " " "				ė						į
## Partition of the complete o										Ü
ND 67		,		a					te	t
Dimethyl phthalate				u	á				*	į
## Complete			•		6				tr.	τ
ND 67	• •									
-nitroaniline ND 67 " " " " " " " " " " " " " " " " " "					u					t t
4-dinitrophenol ND 130 " " " " " " " " " " " " " " " " " " "	· · · · · · · · · · · · · · · · · · ·	· -								
ND 67				**						ţ
4-dinitrotoluene ND 67 " " " " " " " " " " " " " " " " " "	- · •									
-nitrophenol ND 130 " " " " " " " " " " " " " " " " " " "										t.
uorene ND 67 " " " " "						-		_		Ĺ
· · · · · · · · · · · · · · · · · · ·	-						_	•		t
-Chorophenyl phenyl etner ND 67 " " " " " " "	• •				=					τ
	-Catorophenyi phenyi ether	ИЛ	67	"	*		"	•	. 11	U

Waste Stream Technology

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon Biotic Barrier (0D07011-03) Soil	Sampled: 04/05/10 13:30	Receive	d: 04/07/10	11:00					
Diethyl phthalate	ND	67	ug/kg dry	1	AD01220	04/12/10	04/13/10	8270C	1
4-nitroaniline	ND	67	и	**	17	*			1
4,6-Dinitro-2-methylphenol	ND	130	**	*	•		u	n	Ţ
n-nitrosodiphenylamine	ND	67			•		н	u	ı
4-bromophenylphenylether	ND	67	tı	H,	11	#		a	1
hexachlorobenzene	ND	67		**	*		**		Ţ
pentachlorophenol	ND	130	•		п	•	77		t
phenanthrene	ND	67		•	u	n	#	0	τ
anthracene	ND	67		**	n	•	*	19	τ
carbazole	ND	67	H	•	•		*		,
Di-n-butyl phthalate	ND	67			11	n		8	τ
benzidine	ND	330	H		0		ir .		τ
fluoranthene	ND	67	•		"				τ
3,3'-Dichlorobenzidine	ND	67	*		u		п		t
pyrene	ND	67			4	•	*	w	τ
Butyl benzyl phthalate	ND	67	10	u	#		•	n	τ
Benzo (a) anthracene	ND	67		**	**		**		τ
chrysene	ND	67	•	**	7		#	π	τ
bis(2-ethylhexyl)phthalate	ND	67	•	*			•	•	ı
Di-n-octyl phthalate	ND	67	•		tr		**	7	ŧ
Benzo (b) fluoranthene	ND	67	•		•		н		ŧ
Benzo (k) fluoranthene	ND	67				•	u		ī
Benzo (a) pyrene	ND	67		**				u	1
indeno (1,2,3-cd) pyrene	ND	67	**	**	#	n	#	e	ī
Dibenz (a,h) anthracene	ND	67					81		1
Benzo (g,h,i) perylene	ND	67	*		a	#			į
Acetophenone	ND	67	77	*		**	41	u	ì
Caprolactam	ND	67				**	**		i
,Î-Biphenyl	ND	67	**		•	•		4	ī
Atrazine	ND	67		**	*	17	#		į
Benzaldehyde	ND	67	n	**	**	**		•	Ţ
,2-Diphenylhydrazine	ND	67		ıt		π		a	Ţ
Surrogate: 2-Fluorophenol		71.8%	59-1	01		.,		ø	
Surrogate: Phenol-d6		76.4 %	64-1				•		
Surrogate: Nitrobenzene-d5	•	76.2 %	58-10		,			#	
urrogate: 2-Fluorobiphenyl		75.3 %	67-10				,	"	
urrogate: 2,4,6-Tribromophenol		80.2 %	63-10			и		p	
urrogate: Terphenyl-d14		77.9 %	38-13	-				*	

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon DGA (0D07011-04) Soil	Sampled: 04/06/10 13:35 R	Received: 04/07/	10 11:00						
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AD01220	04/12/10	04/13/10	8270C	
bis(2-chloroethyl)ether	ND	67	•	**		•	u		
phenol	ND	130	n.					•	
2-chlorophenol	ND	130	**	*	•		u	•	
1,3-dichlorobenzene	ND	67	**		•		**	•	
1,4-dichlorobenzene	ND	67	•	u		**	**		
,2-dichlorobenzene	ND	67				*	**	*	
benzyl alcohol	ND	67		11		**	**		
ois(2-chloroisopropyl)ether	ND	67	₩	**	**	*	*		
2-methylphenol	ND	67	*	**	**	*	#	4	
nexachloroethane	ND	67	-	**	•				
N-Nitrosodi-n-propylamine	ND	67	*	*	. "		**	•	
& 4-methylphenol	ND	130		"	**		**	•	
nitrobenzene	ND	67		•	•			*	
sophorone	ND	67			ŧi.			Ú	
?-nitrophenol	ND	130		•	*	**		la la	
,4-dimethylphenol	ND	130			**		=		
3is(2-chloroethoxy)methane	ND	67					· #	**	
enzoic acid	ND	330		•	**		ú		
.4-dichlorophenol	ND	130					•		
.2.4-trichlorobenzene	ND	67	tr	· N			TT .	ń	
aphthalene	ND	67					*	*	
-chloroaniline	ND	67			**	**	ŧ	*	
exachlorobutadiene	ND	67	p		**		m .	"	
-chloro-3-methylphenol	ND	130	**		17	tr		**	
-methylnaphthalene	ND	67						•	
exachlorocyclopentadiene	ND	130							
,4,6-trichlorophenol	ND	130		11			a	,,	
,4,5-trichlorophenol	ND	67			•			,	
-chloronaphthalene	ND	67		**					
-nitroaniline	ND	67		is .					
cenaphthylene	ND ND	67							
imethyl phthalate	ND	67	#				ė		
6-dinitrotoluene	ND	67							
cenaphthene	ND	67	4	*					
-nitroaniline	ND ND	67	11		,,			,	
4-dinitrophenol	ND ND	130						, p	
benzofuran	ND ND	67			,			- -	
4-dinitrotoluene	ND ND	67	"		,		,,		
nitrophenol				-	**		-	,	
uorene	ND	130							
Chlorophenyl phenyl ether	ND ND	67 67		•	•	•	*	**	

Waste Stream Technology

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon DGA (0D07011-04) Soil	Sampled: 04/06/10 13:35	Received: 04/07/	10 11:00						· •,
Diethyl phthalate	ND	67	ug/kg dry	1	AD01220	04/12/10	04/13/10	8270C	i
4-nitroaniline	ND	67				•	* **	•	ι
4,6-Dinitro-2-methylphenol	ND	130	•	•	*		W		ι
n-nitrosodiphenylamine	ND	67	**			•	"	•	į
4-bromophenylphenylether	ND	67	•		**	•	w		ι
hexachlorobenzene	ND	67	D	u	•	•	u	Ħ	ι
pentachiorophenol	ND	130			•	**	Ħ	11	ι
phenanthrene	ND	67	•	*	•	*	*	er e	τ
anthracene	ND	67		*	4	'n		*	τ
carbazole	ND	67	**	*	•	•		•	τ
Di-n-butyl phthalate	ND	67	n		ú		*	*	ï
benzidine	ND	330		*	w	n		v	ι
fluoranthene	ND	67		*	•		• .		ι
3,3'-Dichlorobenzidine	ND	67	u					u	ί
pyrene	ND	67	**			*			ι
Butyl benzyl phthalate	ND	67	**			•	•		t
Benzo (a) anthracene	ND	67	*		a		•	•	ι
chrysene	ND	67	•		•		•	•	ί
bis(2-ethylhexyl)phthalate	ND	67	**		n	•		•	ι
Di-n-octyl phthalate	ΝĎ	67			10	u	"	•	ι
Benzo (b) fluoranthene	ND	67		*		•	•		ŧ
Benzo (k) fluoranthene	ND	67		÷		**		•	τ
Benzo (a) pyrene	ND	67	**			*	•	4	Ū
indeno (1,2,3-cd) pyrene	ND	67		b		•	17		ε
Dibenz (a,h) anthracene	ND	67	u		•				t
Benzo (g,h,i) perylene	ND	67	**		·	u	н	11	ι
Acetophenone	ND	67	*			, .		n n	ι
Caprolactam	ND	67	"				n		ι
,l'-Biphenyl	ND	67	4	**			u		ï
Atrazine	ND	67				,10			ι
Benzaldehyde	ND	67	н	u	н	ņ	и		ι
,2-Diphenylhydrazine	ND	67		u	N	**	*		ί
Surrogate: 2-Fluorophenol		69.1 %	59-1	01	,				
Surrogate: Phenol-d6		72.9 %	64-1		*		*		
turrogate: Nitrobenzene-d5		71.6%	58-1				*		
Surrogate: 2=Fluorobiphenyl		73.1 %	67-1			*	*	*	
Surrogate: 2,4,6-Tribromophenol		82.1 %	63-1		#	"	*		
urrogate: Terphenyl-d14		77.8 %	38-1						

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1027

Project Manager: Rick Elia Jr.

Reported: 04/14/10 15:12

Conventional Chemistry Parameters by EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-4 (0D07011-01) Soil Sam	pled: 04/05/10 13:30 Received:	04/07/10	11:00						
Cyanide (total)	ND	0.50	mg/kg dry	1	AD01413	04/13/10	04/14/10	EPA 9014	
рĤ	8.59	0.10	pH Units	*	AD01223	04/12/10	04/12/10	EPA 9045C	
% Solids	98.1	0.1	%		AD00905	04/08/10	04/09/10	% calculation	
Tilcon #57 (0D07011-02) Soil San	pled: 04/05/10 13:30 Received	: 04/07/10	11:00						
Cyanide (total)	ND	0.50	mg/kg dry	1	AD01413	04/13/10	04/14/10	EPA 9014	
рH	8.68	0.10	pH Units		AD01223	04/12/10	04/12/10	EPA 9045C	
% Solids	99.8	0.1	%	w	AD00905	04/08/10	04/09/10	% calculation	
Tilcon Biotic Barrier (0D07011-03)	Soil Sampled: 04/05/10 13:30	Receive	d: 04/07/ 10	11:00					
Cyanide (total)	ND	0.50	mg/kg dry	Į	AD01413	04/13/10	04/14/10	EPA 9014	
pH	9.02	0.10	pH Units	**	AD01223	04/12/10	04/12/10	EPA 9045C	
% Solids	99.7	0.1	%	•	AD00905	04/08/10	04/09/10	% calculation	
Filcon DGA (0D07011-04) Soil Sa	mpled: 04/06/10 13:35 Receive	d: 04/07/	10 11:00						
Cyanide (total)	ND	0.50	mg/kg dry	1	AD01413	04/13/10	04/14/10	EPÄ 9014	
р Н	8.63	0.10	pH Units	'n	AD01223	04/12/10	04/12/10	EPA 9045C	
% Solids	96.6	0.1	· %		AD00905	04/0R/10	04/09/10	% calculation	

Sevenson Environmental Services

Project: Ventron-Velsicol

2749 Lockport Road

Project Number: Ventron-Velsicol 1027

Reported:

Niagara Falls NY, 14302

Project Manager: Rick Elia Jr.

04/14/10 15:12

Notes and Definitions

U Analyte included in the analysis, but not detected at or above the reporting limit.

B Analyte is found in the associated blank as well as in the sample (CLP B-flag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

CHAIN OF CUSTODY		W4						1	OFFIC	E USE	ONLY					PAGE	1	_OF
REPORT TO]		TECH	NOL	OGY		•	ŀ	GROU	P#	<u>OD</u>	70	OH				*	
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1 201933-0019	1 .					vaste W HL	ATER	W V							_	YES	· NO	qured: - requiements.
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TILCON I-4	HOGK	1:34		4	~		-			·					254	L, ZLAR	40	Ø/
TILCON #57	4/94	1.70Ps		4	V	10				 			-	<u> </u>	U	11		_03
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NJDOT I-3 Soil Aggregate

TILCON-NY

Mt. Hope Quarry

Fax 973-659-3978

625 Mount Hope Rd. • Wharton, N.J. 07946 • 973-366-7741

I-3 (2.01 A)

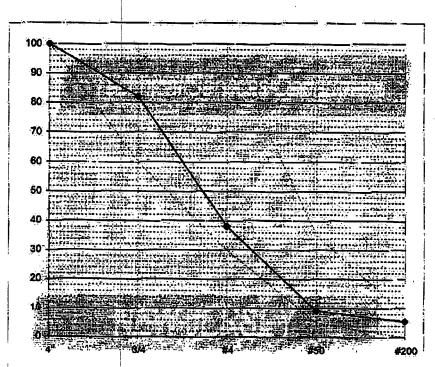
Typical Gradation, Soils Agg (I-3)

	Pro	ject			,
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Cor	tractor	
Sevenson	Environmen	ital

Sp. Gr	2.82
Loose	105
Rodded	120

	Typical	Prod.	Target
	% Pass	Low	High
4"	100	100	100
3/4	82	60	100
#4	38	30	100
#50	9	5	35
#200	5.5		8



Tilcon Inc confirms that Soils Agg (I-3) available at Mt. Hope Quarry conforms to section 901 of the New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction. The material is defined as virgin Gneiss mined at Mt. Hope Quarry, 625 Mount Hope Road, Block 20001-Lot 6.01 Wharton Borough, Morris County NJ. The material is identified on the job with Tilcon delivery tickets.

WASTE STREAM TECHNOLOGY, INC.

302 Grote Street Buffalo, NY 14207 (716) 876-5290

Analytical Data Report Report Date: 03/26/10 Work Order Number: 0C23005

Prepared For Rick Elia Jr.

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Fax: (716) 285-4201

Site: Ventron-Velsicol 1008

Enclosed are the results of analyses for samples received by the laboratory on 03/23/10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian S. Schepart, Ph.D., Laboratory Director

- & & d

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068 FLDOH #E87662





2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 03/26/10 16:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Tilcon I-3 Fill	0C23005-01	Soil	03/19/10 12:00	03/23/10 10:15

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 03/26/10 16:02

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tikon I-3 Fill (0C23005-01) Soil	Sampled: 03/19/10 12:00	Received: 03/2	3/10 10:15						
Silver	ND	0.50	mg/kg dry	ì	AC02323	03/23/10	03/23/10	EPA 6010B	
Aluminum	1520	2.50		ч	**	0	•		
Arsenic	ND	1.70			*		*		t
Barium	10.6	1.00		•					_
Beryllium	ND	0.50		*	*	•	•	*	
Cadmium	ND	1.00							
Cobalt	1.83	1.00	u		**	*		#	
Chromium	3.89	1.00		**					
Copper	4.80	1.00		**			10	17	
Mercury	ND	0.012	и,	•	AC02602	03/26/10	03/26/10	EPA 7471A	
Manganese	81.5	1.00			AC02323	03/23/10	03/23/10	EPA 6010B	
Nickel	1.31	1.00					#.	"	
Lead	ND	4.10		*	7	•			
Antimony	ND	1.40	•			•		•	
Selenium	ND	1.40	•	*		n		W	
Thallium ·	ND	1.00	•			n		u	
Vanadium	2.68	1.00	**		**	u		н	
Line	10.4	4.00	•		•	•	•	w	

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 03/26/10 16:02

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-3 Fill (0C23005-01) Soil	Sampled: 03/19/10 12:00	Received: 03/2	3/10 10:15						
alpha-BHC	ND	0.400	ug/kg dry	1	AC02511	03/25/10	03/25/10	8081A/8082	L
Gamma-BHC (Lindane)	ND	0.400	•	*	*	. •	*	•	ţ
Beta-BHC	ND	0.400	÷	•	Ħ	п	*	•	ι
Delta-BHC	ND	0.400	*		•	n	`=	•	Ų
Heptachlor	ND	0.400	*		n	11		11	ι
Aldrin	· ND	0.400	•	•		•	u .	4	ι
Heptachlor Epoxide	NĎ	0.400		n	**	*	н	н	t.
4,4'-DDÈ	ND	0.400	•		•		•	n	ι
Endosulfan I	ND	0.400	٠		•	•	*	#	υ
Dieldrin	ND	0.400	**	u	*		*	Ġ	ť
Endrin	ND	0.400	•	•	*	•	•		U
4,4'-DDD	. ND	0.400	•			*	•	'n	ι
Endosulfan II	ND	0.400		•	m.				τ
1,4'-DDT	ND	0.400		•				ú	U
Endrin Aldehyde	ND	0.400			11				U
Methoxychlor	. ND	0.400			*			,	υ
Endosulfan Sulfate	ND	0.400		u	11		•		t
Endrin Ketone	ND	0.400				, m		ú	t
Chlordane	ND	6.70	*		u	n '	•	ú '	U
l'oxaphene	ND .	8.30		•			19		u
Aroclor 1016	ND	3.30							u
Aroclor 1221	ND	3.30	46		*	•		*	Ü
Aroclor 1232	ND	3.30	**					n	ŧ
Aroclor 1242	ND	3.30	er		•	•		**	U
Aroclor 1248	ND	3.30				•		<u>,</u> a	ū
Aroclor 1254	ND	3.30				•	•	ь	t
Aroclor 1260	ND	3.30						•	ū
Aroclor 1262	ND	3.30	uř.				n		ŭ
Aroclor 1268	ND	3.30	•			•		et	t
urrogate: Tetrachloro-meta-xylene		120%	82-12	23	*				
urrogate: Decachlorobiphenyl		93.1 %	56-1.				t#	n	

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 03/26/10 16:02

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-3 Fill (0C23005-01) Soil	Sampled: 03/19/10 12:00	Received: 03/2	3/10 10:15						
dichlorodifluoromethane	ND	10	ug/kg đry	1	AC02501	03/25/10	03/25/10	8260B	
chloromethane	ND	10	#	u		#	t y	, "	
vinyl chloride	, ND	10			•	*	₩		
promomethane	ND	10	**		*	11	n		
chloroethane	ND	10	•		• .		11	u	
richlorofluoromethane	ND	10	**	n		*	**		
, I-dichloroethene	ND	2		. "	u	•	n		
cetone	ND	10					•	**	
arbon disulfide	ND	2	н	•			•	**	
nethylene chloride	6	2	•		•		#		
Methyl tert-butyl ether	ŅD	2	•		•	n	**		
Acrylonitrile	ND	10			**			**	
rans-1,2-dichloroethene	ND	2		n			•	'm	
, 1-dichloroethane	ND	2	н	ti		н	**	**	
-butanone	. ND	10	**				19	er-	
is-1,2-dichloroethene	ND	2			#				
hloroform	ND	2	*	u	•	**			
, l, l-trichloroethane	ND	2			#		ė		
arbon tetrachloride	ND	. 2	17	a	11	**	69		
enzene	ND	2						**	
2-dichloroethane	ND	2	17		•		19		
ichloroethene	ND	2			**			н	
,2-dichloropropane	ND	2					**		
romodichloromethane	ND	2	*		**	,	я	#	
-Methyl-2-pentanone (MIBK)	ND	10						**	
s-1,3-dichloropropene	ND	2						77	
luene	ND	2	,	,,				**	
ans-1,3-dichloropropene	ND	2							
1,2-trichloroethane	ND	2							
trachloroethene	ND	2					. "		
bromochloromethane	ND ND	2	•						
2-dibromoethane	ND	2			"				
lorobenzene	ND ND	2						_	
1,1,2-tetrachloroethane	ND ND	2	-	<u> </u>			*	-	
hylbenzene	ND	2	-					.	
,p-xylene	ND ND	4		-	-	-		-	
xylene	ND ND	•			-			π -	
/rene	ND ND	. 2	,		_		#		
omoform	ND ND	2						•	I
crolein		2	_	-	₩ '=				
,2,2-tetrachloroethane	ND	10	•				•		
ethyl Acetate	ND ND	. 10			•	**	•	77	

Waste Stream Technology

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 03/26/10 16:02

Volatile Organic Compounds by EPA Method 8260B

Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sampled: 03/19/10 12:00	Received: 03/2	3/10 1 0 :15	-			· · · · · · · · · · · · · · · · · · ·		
ND	100	ug/kg dry	1	AC02501	03/25/10	03/25/10	8260B	
ND	10	"	н .	á	*		#	1
	104 %	78-11	15				`"	
	105 %	79-11	18			B		
•	98.1 %	84-11	0	*	,	n		
	97.6 %	81-11	8		•	,,		
	Sampled: 03/19/10 12:00 ND	Result Limit Sampled: 03/19/10 12:00 Received: 03/2 ND 100 ND 10 104 % 105 % 98.1 %	Result Limit Units Sampled: 03/19/10 12:00 Received: 03/23/10 10:15 ND 100 ug/kg dry ND 10 " 104 % 78-11 105 % 79-11 98.1 % 84-11	Result Reporting Units Dilution	Result Limit Units Dilution Batch Sampled: 03/19/10 12:00 Received: 03/23/10 10:15 ND 100 ug/kg dry 1 AC02501 ND 10 " " " 104 % 78-115 " " 105 % 79-118 " 98.1 % 84-110 "	Reporting Limit Units Dilution Batch Prepared	Result Reporting Units Dilution Batch Prepared Analyzed	Reporting Result

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 03/26/10 16:02

Semivolatile Organic Compounds by EPA Method 8270C

Waste Stream Technology

Analyte	n. v	Reporting	**-*-	5 4 - 1				Method	Notes
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-3 Fill (0C23005-01) Soil	Sampled: 03/19/10 12:00	Received: 03/2	3/10 10:15					·	
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AC02309	03/23/10	03/24/10	8270C	Ţ
bis(2-chloroethyl)ether	, ND	67		*	*		•	•	1
phenol	ND	130	u	*	"		•	· ts	1
2-chlorophenol	ND	130	•		n	. •	•	a	1
1,3-dichlorobenzene	ND	67·	#	•	n		•	•	1
1,4-dichlorobenzene	ND	67	*	٠.	R		. •		ı
1,2-dichlorobenzene	ND	67	•	٠	•		Ä	**	,
benzyl alcohol	ND	67		•	**		4	•	ı
bis(2-chloroisopropyl)ether	ND	. 67		n	*	0	**		1
2-methylphenol	ND	. 67		u		u	77	n	Į
hexachloroethane	ND	67		*	÷	-	•	ė	ı
N-Nitrosodi-n-propylamine	ND	67		77	•	•	-	tt	ı
3 & 4-methylphenol	ND	130	**	•			•		Į
nitrobenzene	ND	67							ι
isophorone	ND	67		•	*	•	•	*	Ī
2-nitrophenol	ND	130		ú			•	•	ì
2,4-dimethylphenol	ND	130		n				•	ī
Bis(2-chloroethoxy)methane	ND	67			٠.				ì
benzoic acid	ND	330	u				"	•	ì
2,4-dichlorophenol	ND	130		*		ji i	"		į
1,2,4-trichlorobenzene	ND	67		u		*		*	, J
naphthalene	ND	67	,		,			•	ί
-chloroaniline	ND	67	ń						į
nexachlorobutadiene	ND	67	**						
l-chloro-3-methylphenol	ND ND	130					-		į.
-methylnaphthalene	ND ND	67	**				-	-	ι
exachlorocyclopentadiene	ND ND		 H		-			. "	ų.
4,6-trichlorophenol		130	_	_	-	-	-	"	t.
4,5-trichlorophenol	ND	130	_		-		•	• '	ι
-chloronaphthalene	ND	67	_	-	•			:	ι
-nitroaniline	. ND	67	_			, ,		**	į.
cenaphthylene	ND	67				•	•	*	ι
Dimethyl phthalate	ND	67	•		*		•	•	ι
.6-dinitrotoluene	ND	67	•	"	•		*	* .	ŧ
•	ND	67	**	•	•	,	•	7	ŧ
cenaphthene -nitroaniline	ND	67		•	•	*	•	•	ι
***	ND	67	•	**	•	-	•		ι
,4-dinitrophenol	ND	130	*	۳.	•	*	*	H .	τ
ibenzofuran	ND	67	"	•	*	•		*	ί
4-dinitrotoluene	ND	67		**	*	**	•	•	ι
-nitrophenol	·ND	130		*	. •	*	•		ι
uorene	ND	67	W		•		u	•	ι
-Chlorophenyl phenyl ether	ND	67	•	*			a		Ü

Waste Stream Technology

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 03/26/10 16:02

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-3 Fill (0C23005-01) Soil Sampled: 03/19/10 12:00		Received: 03/2	3/10 10:15						
Diethyl phthalate	ND	67	ug/kg dry	1	AC02309	03/23/10	03/24/10	8270C	ı
4-nitroaniline	ND	67	"		*				τ
4,6-Dinitro-2-methylphenol	ND	130			*		77	,,	ι
n-nitrosodiphenylamine	ND	67			#		•	**	ι
4-bromophenylphenylether	ND	67	ø				. "	•п	τ
hexachlorobenzene	ND	67		•	u	•	"	Ĥ	τ
pentachlorophenol	ND	130		**	u	•	•	**	τ
phenanthrene	ND	67	•	77	u		n	Ü	ι
anthracene	ND	67		n			#	11	ι
carbazole	ND	67			.•			e e	i
Di-n-butyl phthalate	ND	67		• .		•			i
benzidine	ND	330		*		•	*	*	ï
luoranthene	ND	67			•				i
3,3'-Dichlorobenzidine	ND	67			• ,			•	ĭ
pyrene	ND	67		•		*		•	i
Butyl benzyl phthalate	ND	67			*	•		•	i
Benzo (a) anthracene	ND	67					•		ú
hrysene	ND	67		*		4		**	ï
ois(2-ethylhexyl)phthalate	ND	67					•	**	ŧ
Di-n-octyl phthalate	ND	67	•		#				i
Senzo (b) fluoranthene	ND	67		17	*			**	t
Senzo (k) fluoranthene	ND	67			"	*		"	ι
Benzo (a) pyrene	· ND	67	•	11				н	į
ndeno (1,2,3-cd) pyrene	ND	67	*	•	**	*	4	w	ΰ
Dibenz (a,h) anthracene	ND	67				4 ,	**		t
enzo (g,h,i) perylene	ND	67	4			"		á	Ü
cetophenone	ŇD	67	e e				*		
aprolactam	ND	67							U
1'-Biphenyl	ND	67			w	H			U
trazine	ND	67			**				U
enzaldehyde	ND	67	*		17				Ü
2-Diphenylhydrazine	ND	67	*				•		-
urrogate: 2-Fluorophenol		69.4 %	59-10						U
urrogate: Phenol-d6		72.3 %	59-10 64-10	_	-	,	,	.	•
vrogate: Nitrobenzene-d5		73.1 %	58-10			-	,		
errogate: 2-Fhiorobiphenyl		73.1 % 79.2 %	56-10 67-10				-	-	
rrogate: 2,4,6-Tribromophenol		79.2 % 89.9 %	63-10				-		
rrogate: Terphenyl-d14		88.7 %	38-13		-	-	7	-	

2749 Lockport Road Niagara Falls NY, 14302 Project: Ventron-Velsicol

Project Number: Ventron-Velsicol 1008

Project Manager: Rick Elia Jr.

Reported: 03/26/10 16:02

Conventional Chemistry Parameters by EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tilcon I-3 Fill (0C23005-01) Soil	Sampled: 03/19/10 12:00	Received: 03/2	3/10 10:15		,				
Cyanide (total)	ND	0.50	mg/kg dry	i	AC02411	03/23/10	03/24/10	EPA 9014	
pH	7.68	0.10	pH Units		AC02615	03/26/10	03/26/10	EPA 9045C	
% Solids	99.0	0.1	%		AC02407	03/23/10	03/24/10	% calculation	

Sevenson Environmental Services Project: Ventron-Velsicol
2749 Lockport Road Project Number: Ventron-Velsicol 1008 Reported:
Niagara Falls NY, 14302 Project Manager: Rick Elia Jr. 03/26/10 16:02

Notes and Definitions

Analyte included in the analysis, but not detected at or above the reporting limit.

B Analyte is found in the associated blank as well as in the sample (CLP B-flag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis.

RPD

Relative Percent Difference

SEVENSON	W 30	aste S	tream	HNO Tech	molo	gy Inc. 14207	. ,	1	GROU DUE D			_A:	<i>yo</i> c	25		ARE SPECIAL DE	rec mon a turi
JOB 1027 WOOD-RIDGE; W	\	16) 876	-5290	• FAX	(716) 8	376-241	5				TURN			ME.		REQUIRED: YES NO If yes please stract	•
ECHTACT JAYSON STARK PH. 11 933 - 0019					GW SI SW SI WW W	RIMKING ROUND Y IRFACE Y IASTE WI XIL	WATER MATER	SD S	OLID MPE		QUOT	3 I ation	AL 7 INUMI	BER:	-	Is a QC Package : YES N	3
701 933-1996 SILLTO.			$\overline{\mathcal{I}}$	7.		T			LYSES	S TO 8	E PER	FORM	EO	•		If yes please attach	requirements
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1027 FROJECT DESCRIPTION	DATE SAME.	TAKE OF S	1 day	<u>#</u> /	g /	THE STATE OF THE S		\mathcal{A}	1	F		1	1	- [t.
VENTRON DEVELOPED AKEA SAMPLER SIGNATURE			SAMPLE	$i/\frac{1}{2}$	A Dep	T. E.		1									
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1 TILLON I-3 FILL	3/19/10	12:00	So	4	v	V									2-54	ALL, Z-LARGE	01
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REMARKS: NEW VERSEY	RES 1	Dei	177.	AL_		CE	AN	50									

Rip-rap (D50 = 15" and D50 = 6")

TILCON NY - Mt. Hope Facility

Sevenson Environmental Ventron Site - Woodridge, NJ

Tilcon-NJ confirms that the Rip Rap available at Mt. Hope Quarry Conforms to the quality requirements of section 901 of *The New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.* It is defined as virgin Gneiss mined at Mt. Hope Quarry, 825 Mt. Hope Rd. Blk 20001-Lot 6.01Wharton Boro, Nomis County NJ. The material is identified on the job with Tilcon NJ delivery tickets.

This Rip Rap has the following properties:

Sodium Sulfate Soundn	ess (ASTM C88)	2.0% Loss
Water Absorption	(ASTM C97)	0.50%
LA Abrasion	(ASTM-C535)	13.65% Loss
Bulk Specific Gravity	(ASTM-C97)	2.72
Freeze-Thaw Test	(ASTM-T103)	2.4% Loss

And the following Gradation

D ₁₀₀	22"
D ₅₀	15"
D ₁₀	6"

If you have anyquestions or concerns, please call.

(973)-366-3740 Central Materials Lab Tilcon, NJ

TILCON - Pompton Lakes Facility

Sevenson Environmental Ventron Site - Woodridge, NJ

Tilcon-NJ confirms that the Rip Rap available at Pompton Lakes Quarry Conforms to the quality requirements of section 901 of *The New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction.* It is defined as virgin Gneiss mined at Pompton Lakes Quarry, End of Broad Street Pompton Lakes, NJ. The material sidentified on the job with Tilcon NJ delivery tickets.

This Rip Rap has the following properties:

Sodium Sulfate Soundr	ess (ASTM C88)	2.0% Loss
Water Absorption	(ASTM C97)	0.50%
LA Abrasion	(ASTM-C535)	13.65% Loss
Bulk Specific Gravity	(ASTM-C97)	2.72
Freeze-Thaw Test	(ASTM-T103)	2.4% Loss

And the following Gradation

D ₁₆₀	12"
D ₅₀	6"
D ₁₀	3"

If you have anyquestions or concerns, please call.

(973)-659-3618 Central Materials Lab Tilcon, NJ